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Federal ARCHEOLOGY Report

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**National Park Service
Cultural Resources Programs**

Training in 1993

By Emogene A. Bevitt and Richard C. Waldbauer

This is the third annual training issue of the *Federal Archeology Report* to include excerpts from the directories produced for CRM, the National Park Service journal on cultural resources management information for parks, Federal agencies, Native peoples, organizations, States, local government, and the private sector. The two directories, which cover Short Term and Long Term Training Programs, are based upon a nationwide survey of cultural resources training opportunities and education programs. In this issue of the *Report*, the training opportunities are taken directly from the Short Term directory, and those selected are the ones most likely to be of interest to people involved with archeological preservation programs.

Two Training Directories for 1993

This year two separate publications have been produced: *A Directory of Training Opportunities in Cultural Resource Management (Short Term)* and the *Directory of College, University, Craft and Trade Programs in Cultural Resource Management (Long Term)*. The Short Term directory lists continuing education courses that last from a single day to 6 weeks and provides indices that group courses by topic, location, dates they are offered, and title. The Long Term directory lists degree- or certificate-granting programs that are 6 months to multi-year in length and presents definitions for the various disciplines encompassed in the care and preservation of cultural resources with particular emphasis on the 61 preservation education programs. The Long Term directory also cites existing

**New York State Department
of Parks and Recreation**

Mitigating the Effects of Heavy Equipment Compaction on Buried Cultural Materials

By Anthony J. Ardito

In addition to training, this issue of the *Federal Archeology Report* addresses the preservation of archeological resources in place and the conservation of archeological sites. Increasingly, managers are becoming aware of available, appropriate options for treatments of archeological resources that are needed to mitigate governmental project impacts. They understand that "avoidance" is a short-term technique but not in itself a management strategy. Now, they want to become familiar with the range of potential solutions as well as develop the capabilities to collect the information that will serve as the basis for efficient decisions. The articles that follow demonstrate some of the current approaches underway in site stabilization and in situ preservation, including efforts in program development, stabilization projects, training, and information exchange. They all indicate the extent to which "preservation of the archeological record in place," as an objective of the Secretary of the Interior's National Strategy for Federal Archeology, is being accomplished.

The New York State Historic Preservation Office (NYSHPO) directed a study from August to December 1991 to determine if the effects of compaction on buried cultural materials, as a result of pipeline construction, could be mitigated through a program of in situ archeological site preservation. The study was undertaken by the Iroquois

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U.S. Department of the Interior * National Park Service * Cultural Resources
Departmental Consulting Archeologist * Archeological Assistance

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reference works and guidebooks that provide information about programs in other disciplines. For example, definitions are provided for anthropology, archeology, cultural anthropology, ethnographic resources, ethnography and ethnohistory. For more information about college degree programs in these fields, readers are referred to the *AAA Guide* and the *Guide to Training Programs in the Applications of Anthropology*, with information being provided about the content, cost, and who to contact to obtain a copy.

As in previous years, the survey for the information collected in the Short Term directory was conducted through requests mailed to more than 700 people from Federal, State, and local governmental agencies, universities, organizations, and educational institutions. While the number of course listings remained the same, more geographic diversity was achieved in this directory as it lists courses offered in 44 States, the District of Columbia, and Puerto Rico.

The survey for the Long Term directory was developed in cooperation with the National Council for Preservation Education and funded in part by the National Park Service (NPS) Cultural Resources Training Initiative. Mailing lists were researched, and survey materials were sent to 900 universities, colleges, and organizations.

The directories show trends in training and also serve to raise questions. For instance, courses that address the needs of volunteers and volunteer programs seem particularly strong in the areas of archeology and museums. There are eight listings that specifically seek volunteers as participants, including archeological field schools offered by States and universities. The Forest Service "Passport in Time Clearinghouse" program is listed; this entry provides a point of contact for the numerous volunteer activities conducted nationwide with the National Forest system. The strength of these volunteer programs leads one to ask whether volunteer programs involving other cultural resource disciplines are equally strong.

Other trends can be seen in increased listings that provide overviews of historic preservation responsibilities for specified audiences, such as Federal and State agencies, Certified Local Governments, and Historic District Commissions. Several listings offer training in the use of specialized equipment or technologies.

There is also a growing body of coursework oriented toward Native peoples, particularly to provide develop-

mental experiences in preservation and conservation techniques. Similarly, there is a growing need for new courses that could provide a forum for historic preservationists to improve their understanding and interaction with different cultures. Such courses could address cultural worldviews, belief and value systems, and the relationships between values and cultural preservation. These courses would best be presented by people of a particular culture.

Distribution, Availability, and Next Year's Issue

The *CRM* training directories are unique and important documents. Their success and the continued improvement in cultural resources training are contingent upon the sharing of this information, particularly with historic preservation program managers and staff who can identify appropriate coursework to help meet both agency goals and individuals' interests and needs. By recommending specific training opportunities, historic preservation officers, cultural resources program managers, and their staff members can mutually prioritize skills development, thereby making cost-effective use of available funds. Use of the directories to select training opportunities and bring them to the attention of potential training participants is encouraged.

The *CRM* is not copyrighted and can be reproduced without penalty. Credit to the authors and the NPS is appreciated. Entries for the Short Term directory for Oct. 1993- Dec. 1994 should be submitted before June 30, 1993. For further information or to obtain a copy of the *CRM* Short Term Directory, contact Emogene Bevitt, National Park Service (424), P.O. Box 37127, Washington, DC 20013-7127; telephone (202) 343-9561. To obtain copies of the Long Term Directory send \$7.50 per copy, which includes shipping, to the National Council for Preservation Education, 210 West Sibley Hall, Cornell University, Ithaca, NY 14853.



Description of Training Courses, 1993: Federal Agencies

WINTER

Agency: U.S. Department of the Interior, National Park Service, Interagency Resources Division

Title: Streamlining the Preparation of National Register of Historic Places Nomination Forms

Date and Location: Between Jan. and March, specific dates TBA, Denver, CO.

Description: Completing National Register nomination forms for individual historic properties, historic districts, multiple property submissions. Designing research projects to meet more than one cultural resource reporting requirement. Evaluation of controversial property types such as mining sites, vernacular architecture, rural landscapes, traditional cultural properties.

Audience: National Park Service personnel required to prepare National Register of Historic Places Nomination Forms.

Contact: Patrick Andrus, U.S. Department of the Interior, National Park Service, Interagency Resources Division, National Register of Historic Place, P.O. Box 37127, Washington, DC 20013-7127; 202-343-9536.

Agency: Advisory Council on Historic Preservation

Title: Introduction to Federal Projects and Historic Preservation Law

Date and Location: 3-day course offered 16 times Jan. to Sept. -- Jan. 12-14, Washington, DC; Jan. 26-28, Sacramento, CA; Feb. 9-11, Atlanta, GA; Feb. 23-25, Fort Worth, TX.

Description: Requirements of Sections 106 and 110 of National Historic Preservation Act. Participants learn review and compliance process defined in Council regulations, 36 CFR Part 800, and procedures to follow in order to comply with the law.

Contact: Shauna Holmes, Advisory Council on Historic Preservation, 1100 Pennsylvania Ave. NW, Room 803, Washington, DC 20004; 202-786-0505.

Agency: Smithsonian Institution

Title: Historical Photographs in Museum Collections

Date and Location: Feb. 8-11, Oakland, CA.

Description: The care and organization of historic photograph collections.

Audience: American Indians working directly with their community or in the context of a museum or cultural center.

Contact: Alyce Sadongei, Smithsonian Institution, Office of Museum Programs, 900 Jefferson Drive, SW, Suite 2235-MRC 427, Washington, DC 20560; 202-357-4456.

Agency: U.S. Department of the Interior, National Park Service, Preservation Assistance Division

Title: The Interior's Conference for Historic Buildings II



Date and Location: Feb. 17-19, conference; Feb. 20, technical workshops; Washington, DC.

Description: Conference -- in panels, seminars, workshops looking at evaluation and planning of rehabilitation, restoration work on historic interiors; maintaining, repairing, replicating architectural features, systems, finishes, fixtures, furnishing; planning, interpreting. Technical workshops -- demonstrations by experts. Professional handbook on historic building interiors included in fee.

Audience: Architects, conservators, interior designers, curators, engineers, contractors, building owners and managers, historic site and museum administrators, planners, government officials, manufacturers.

Contact: Charles E. Fisher, U.S. Department of the Interior, National Park Service, Preservation Assistance Division, PO Box 37127, Washington, DC 20013-7127; 202-343-9568.

SPRING

Agency: U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center

Title: Partnership Preservation Training

Date and Location: Spring, 80 hours in 3 sessions, specific dates TBA, Safford, AZ.

Description: Hands-on training in cultural resources management principles related to historic structure preservation. Overview of Section 106 compliance, specifications, selection of materials, documentation, record keeping for historic preservation projects, emergency stabilization, moisture penetration, repairs to roll and metal roofing, flashing repairs, adobe plaster and historic window/door repairs.

Audience: Maintenance personnel, craftspeople.

Contact: Dorothy Printup, U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center, 205 West Potomac St., Williamsport, MD 21795; 301-223-7872.

Agency: U.S. Department of the Interior, National Park Service, Division of Interpretation

Title: Interpreting Landscapes

Date and Location: Spring, 5 days; specific dates, location TBA.

Description: Philosophy, techniques of effective landscape interpretation, skills, knowledge needed to develop and implement effective interpretive, educational programs on landscape interpretation.

Audience: Managers and interpreters.

Contact: Sandra Weber, U.S. Department of the Interior, National Park Service, Division of Interpretation P.O. Box 37127, Washington, DC 20013-7127; 202-523-5270.

Agency: Advisory Council on Historic Preservation

Title: Introduction to Federal Projects and Historic Preservation Law

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Date and Location: 3-day course offered 16 times Jan. to Sept. -- March 9-11 Richmond, VA; March 30-April 1, Santa Fe, NM; April 13-15, Kansas City, MO; April 27-29, Fairbanks, AK; May 11-13, Philadelphia, PA; May 25-27, Pasadena, CA.

Description: Requirements of Sections 106 and 110 of National Historic Preservation Act. Participants learn review and compliance process defined in Council regulations, 36 CFR Part 800, and procedures to follow in order to comply with the law.

Contact: Shauna Holmes, Advisory Council on Historic Preservation, 1100 Pennsylvania Ave. NW, Room 803, Washington, DC 20004; 202-786-0505.

Agency: U.S. Department of the Interior, National Park Service, Rocky Mountain Region

Title: Archival Collection Management

Date and Location: April, 3 days, specific dates TBA, Glacier National Park, MT.

Description: Identification of archival material and nitrate and acetate negatives, accessioning, cataloging, storage techniques, National Archives Records Disposition schedule, environmental conditions in storage and exhibit areas, development of finding aids. Wide range of objects, materials. Hands-on practical applications of archival techniques, use of basic references.

Audience: Park curatorial staff.

Contact: Laura Joss, U.S. Department of the Interior, Rocky Mountain Region Cultural Resource Management Division, Box 25287, Denver, CO 80225; 303-987-6692.

Agency: U.S. Department of the Interior, National Park Service, Rocky Mountain Region

Title: Cross-Cultural Resource Management: Introduction to Applied Ethnography

Date and Location: April, specific dates and location TBA.

Description: Introduction to concept of "culture," relationship to resource use and management, standards and methods of ethnographic field study, sample study results, usage, public participation plans, cultural resource compliance activities, National Environmental Policy Act compliance, planning, interpretation and curation, overview of law related to ethnographic resource management.

Audience: National Park Service management, natural/cultural resource managers.

Contact: David Ruppert, U.S. Department of the Interior, National Park Service, Rocky Mountain Region, PO Box 25287, Denver, CO 80225; 303-969-2875.

Agency: U.S. Department of the Interior, National Park Service, Interagency Resources Division

Title: Civil War Battlefields Conference

Date and Location: April, annual 2 1/2 days, specific

dates and location TBA.

Description: Specific topics TBA; 1992 workshop looked at researching, planning for land protection, interpretation and education, heritage tourism, fundraising, building community consensus.

Audience: Community officials, battlefield owners, managers, visitors, planners, interested others.

Contact: Marilyn W. Nickels, U.S. Department of the Interior, National Park Service, Interagency Resources Division, American Battlefield Protection Program, P.O. Box 37127, Washington, DC 20013-7127; 202-343-9539.

Agency: U.S. Department of the Interior, National Park Service, Archeological Assistance Division

Title: Archeology for Managers

Date and Location: May 17-21, Solomons, MD; again in Fall in western United States with specific dates, location TBA.

Description: Legal requirements, policies, guidelines, regulations concerning archeological preservation. Appropriate methods for resource management, development and operations. Lecture, field sessions at archeological sites and curatorial facilities. Sessions for the May offering will be held at Jefferson Patterson Park and Museum, Historic Saint Mary's City, and Maryland Office of Archeology.

Audience: Federal, State, and local program managers who do not necessarily have any background in archeology but who must manage archeological resources.

Contact: Richard Waldbauer, U.S. Department of the Interior, National Park Service, Archeological Assistance Division, P.O. Box 37127, Washington, DC 20013-7127; 202-343-4113.

SUMMER

Agency: U.S. Department of the Interior, National Park Service, Division of Interpretation

Title: Technology in Education and Interpretation

Date and Location: Summer, 1 week, specific dates, West Coast location TBA.

Description: Facilitating interactive education efforts through computer technology, computer modeling using GIS, related technologies. Hands-on workshops using technology, software, meeting with vendors to develop applications for interpretive and educational uses regarding interpretation of cultural and natural resources.

Audience: Interpreters, historians, curators, site managers, interested others.

Contact: Diane Jung, U.S. Department of the Interior, National Park Service, Division of Interpretation, P.O. Box 37127, Washington, DC 20013-7127; 202-523-5270.

Agency: U.S. Department of the Interior, National Park Service, Southeast Region

Title: Preservation and Protection of Museum Collections

Date and Location: Summer, specific dates and location TBA.

Description: Identify, evaluate, monitor, mitigate threats to museum collections, prepare collection preservation guide addressing frequency, techniques, and materials to use in museum housekeeping programs, environmental monitoring, security, fire protection.

Audience: Curators, employees responsible for museum collection



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management in NPS Southeast Region.

Contact: Museum Services, U.S. Department of the Interior, National Park Service, Southeast Region, Cultural Resources, 75 Spring St., SW Suite 1140, Atlanta, GA 30303; 404-730-2201.

Agency: Advisory Council on Historic Preservation

Title Introduction to Federal Projects and Historic Preservation Law

Date and Location: 3-day course offered 16 times Jan. to Sept. -- June 8-10, Louisville, KY; June 22-24, Denver, CO; July 13-15, Washington, DC; July 27-29, Seattle, WA; Aug. 3-5, Milwaukee, WI.

Description: Requirements of Sections 106 and 110 of National Historic Preservation Act. Participants learn review and compliance process defined in Council regulations, 36 CFR Part 800, and procedures to follow in order to comply with the law.

Contact: Shauna Holmes, Advisory Council on Historic Preservation, 1100 Pennsylvania Ave. NW, Room 803, Washington, DC 20004; 202-786-0505.

Agency: U.S. Department of the Interior, National Park Service, Rocky Mountain Region, Interagency Archeological Services

Title: Low Altitude, Large-Scale Aerial Reconnaissance for Cultural Resource Managers

Date and Location: June, 5 days, Las Animas County, CO.

Description: Provides method of using aerial photography for identification, interpretation, evaluation of cultural resources. Technique uses remote controlled model aircraft, allows for large scale photographs (1:100 to 1:1000), use of regular film and resulting resolution to identify, evaluate cultural resources. An introductory course.

Audience: Archeologists, architects, cultural resource managers and specialists.

Contact: Steven L. De Vore, U.S. Department of the Interior, National Park Service, Rocky Mountain Region, Interagency Archeological Services, P.O. Box 25287, Denver, CO 80225-0287; 303-969-2875.

Agency: U.S. Department of the Interior, National Park Service, Rocky Mountain Region, Interagency Archeological Services

Title: Remote Sensing/Geophysical Techniques for Cultural Resource Management

Date and Location: June, annual, Las Animas County, CO.

Description: Practical application of electronic instruments aerial photographic techniques available for identification, evaluation, ultimately conservation, preservation of cultural resources. Use of magnetometer, terrain conductivity meter, ground-penetrating radar, resistivity meter. Major emphasis on field use of equipment, interpretation of aerial photographs.

Audience: Federal, State, local cultural resource managers, specialists responsible for identifying, evaluating, conserving, protecting, managing cultural resources.

Contact: Steven L. De Vore, U.S. Department of the Interior, National Park Service, Rocky Mountain Region, Interagency Archeological Services, P.O. Box 25287, Denver, CO 80225-0287; 303-969-2875.

Agency: U.S. Army Corps of Engineers, Office of Environmental Policy

Title: Cultural Resources: Identification, Analysis and Evaluation

Date and Location: June-July, three 1-week sessions, Santa Fe, NM.

Description: Attributes, quality and values of cultural resources are examined using broad categories of prehistoric and historic remains. Process of identification, evaluation, impact assessment described in detail. Overview of Corps' planning principles and guidelines; relation to other planning and management activities, legal requirements, preservation organizations.

Audience: Water resource planners, rangers, park managers, planners, study managers, designers, others with potential involvement with cultural resources.

Contact: Paul Rubenstein, U.S. Army Corps of Engineers, Office of Environmental Policy, Headquarters (CECW-PO), 20 Massachusetts Ave., NW, Washington, DC 20314-1000; 202-272-8731/1163.

Agency: U.S. Army Center of Military History

Title: Senior Curatorial Seminar

Date and Location: Aug., 5 days, offered every other year, specific dates and location TBA.

Description: Participants can be expected to examine current and future policies specific to the Army Museum System. Senior seminar offers opportunity to provide meaningful input to future plans and policies affecting all Army museums. Basic Curatorial Methods Course and Intermediate Curatorial Workshop will be offered in 1994.

Audience: Army museum personnel, senior level.

Contact: Chief Curator, Museum Division, U.S. Army Center of Military History, ATTN: DAMH-MDP, 1099 14th St., NW, Washington, DC 20005-3402; 202-504-5373, 202-504-5444.

FALL

Agency: U.S. Department of the Interior, National Park Service, Southeast Region

Title: Issues in Public Interpretation of Archeological Materials and Sites

Date and Location: Fall, specific dates and location TBA.

Description: Workshop focus on need for better communication between archeologists and interpreters to insure that information is communicated to the public. Case study presentations, panel discussions, interaction among trainees and instructors, practical exercise. Course materials represent nearly 40 current programs, projects in archeological interpretation.

Audience: Interpreters, Federal, Tribal, State, local cultural resource program managers, specialists responsible for public interpretation of cultural sites.

Contact: John Jameson, U.S. Department of the Interior, National Park Service, Southeast Region, Interagency Archeological Service, 75 Spring Street, SW, Atlanta, GA 30303; 404-331-2629.



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Agency: U.S. Department of the Interior, National Park Service, Division of Interpretation

Title: Evaluation of Interpretive Programs

Date and Location: Fall, 1 week, specific dates TBA, Harpers Ferry, WV.

Description: Workshop will explore practical techniques to evaluate park interpretive programs in terms of effectiveness in achieving park management goals and in enhancing visitor understanding, appreciation of resources.

Audience: Managers and interpreters.

Contact: Roy Graybill, U.S. Department of the Interior, National Park Service, Division of Interpretation, P.O. Box 37127, Washington, DC 20013-7127; 202-523-5270.

Agency: U.S. Department of the Interior, National Park Service, Archeological Assistance Division

Title: Archeology for Managers

Date and Location: Fall in western United States with specific dates, location TBA; also May 17-21, Solomons, MD.

Description: Legal requirements, policies, guidelines, regulations concerning archeological preservation. Appropriate methods for resource management, development and operations. Lecture, field sessions at archeological sites and curatorial facilities. Sessions for the May offering will be held at Jefferson Patterson Park and Museum, Historic Saint Mary's City, and Maryland Office of Archeology.

Audience: Federal, State, and local program managers who do not necessarily have any background in archeology but who must manage archeological resources.

Contact: Richard Waldbauer, U.S. Department of the Interior, National Park Service, Archeological Assistance Division, P.O. Box 37127, Washington, DC 20013-7127; 202-343-4113.

Agency: Smithsonian Institution

Title: Fire, Safety, and Occupational Health Workshop for Museums and Other Cultural Institutions

Date and Location: Sept., specific dates TBA, annual 4-day course.

Description: Museum safety, program administration, industrial hygiene, fire prevention, detection and suppression, disaster/emergency planning, environmental management, hazardous materials, asbestos abatement, radiation safety, shop/physical plant safety, other discussion topics.

Audience: Persons responsible for day-to-day operation of a museum facility, chiefs of security.

Contact: Andy Wilson, Smithsonian Institution, Office of Environmental Management and Safety, 490 L'Enfant Plaza, Suite 4202, Washington, DC 20560; 202-287-3613.

Agency: Advisory Council on Historic Preservation

Title: Introduction to Federal Projects and Historic Preservation Law

Date and Location: 3-day course offered 16 times Jan. to Sept. -- Sept. 13-15, Boise, ID.

Description: Requirements of Sections 106 and 110 of National Historic Preservation Act. Participants learn review and compliance process defined in Council regulations, 36 CFR Part 800, and procedures to follow in order to comply with the law.

Contact: Shauna Holmes, Advisory Council on Historic Preserva-

tion, 1100 Pennsylvania Ave. NW, Room 803, Washington, DC 20004; 202-786-0505.

AVAILABLE UPON REQUEST

Agency: Advisory Council on Historic Preservation

Title: Historic Preservation Law and the Forest Service

Date and Location: Advisory Council can accommodate a limited number of requests from Forest Service regions for course.

Description: Focus on Forest Service historic preservation responsibilities under Sections 106 and 110 of National Historic Preservation Act. **Audience:** Forest Service line officers, forest and project planners, resource staff involved in on-the-ground projects, cultural resource managers and staff.

Contact: Shauna Holmes, Advisory Council on Historic Preservation, 1100 Pennsylvania Ave. NW, Room 803, Washington, DC 20004; 202-786-0505.

Agency: Advisory Council on Historic Preservation

Title: Historic Preservation Law for Native Americans

Date and Location: Advisory Council can accommodate a limited number of requests from Tribes or other groups for course.

Description: Overview of historic preservation review process under Section 106 of National Historic Preservation Act and Tribal participation in that process. Addresses resources, situations, issues relevant to Native Americans.

Audience: American Indians, Alaska Natives, Native Hawaiians.

Contact: Shauna Holmes, Advisory Council on Historic Preservation, 1100 Pennsylvania Ave. NW, Room 803, Washington, DC 20004; 202-786-0505.

Agency: Advisory Council on Historic Preservation

Title: Pipeline Construction and Federal Historic Preservation Law

Date and Location: Advisory Council can accommodate a limited number of requests for this course.

Description: Overview of historic preservation review process under Section 106 of National Historic Preservation Act as it pertains to pipeline projects.

Audience: Project managers, inspectors, engineers, land representatives, right-of-way agents, consultants for pipeline companies.

Contact: Shauna Holmes, Advisory Council on Historic Preservation, 1100 Pennsylvania Ave. NW, Room 803, Washington, DC 20004; 202-786-0505.

Agency: U.S. Department of Agriculture, Soil Conservation Service

Title: National Soil Conservation Service Cultural Resources Training Program

Date and Location: Through Dec. 1995; each SCS State office will schedule as needed.

Description: Modules 1 through 7 are 15- to 20-minute videotapes accompanying a Student Workbook to provide self-paced or group study on identifying, evaluating, planning for presence of cultural resources. Module 8 is 1- or 2-day field workshop identifying artifacts and other cultural resources while laying out land and water use projects.

Audience: Primarily for Soil Conservation Service employees.

Contact: Michael Kaczor, U.S. Department of Agriculture, Soil

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Conservation Service, P.O. Box 2890, Room 6140-S, Washington, DC 20013-2890; 202-720-2307.

TO BE ANNOUNCED

Agency: U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center

Title: Preservation Project Management

Date and Location: TBA.

Description: Recordkeeping, preconstruction documentation, determining supplies and material needs, post construction evaluation, completion reports, how to conduct final inspection, other skills needed in management, organization of preservation projects.

Audience: Exhibit specialists, project managers, etc.

Contact: Dorothy Printup, U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center, 205 West Potomac St., Williamsport, MD 21795; 301-223-7872.

Agency: U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center

Title: Orientation to Historic Preservation Field Work for Professionals

Date and Location: TBA.

Description: Hands-on experience working on historic preservation rehabilitation project.

Audience: Architects, historic architects, exhibits specialists, curators, interested others. Employees who have historic preservation responsibilities but no experience working on historic structures.

Contact: Dorothy Printup, U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center, 205 West Potomac St., Williamsport, MD 21795; 301-223-7872.

Agency: U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center

Title: Orientation to Historic Preservation Policy and Guidelines (NPS 28 and Section 106)

Date and Location: TBA.

Description: Overview of National Park Service (NPS) cultural resource management guidelines; Section 106, National Historic Preservation Act as it pertains to NPS and Programmatic Agreements.

Audience: NPS employees.

Contact: Dorothy Printup, U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center, 205 West Potomac St., Williamsport, MD 21795; 301-223-7872.

Agency: U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center

Title: Treatment Techniques -- Do's and Don'ts

Date and Location: TBA.

Description: Historic Structure problem analysis, resolution of complex restoration problems using lectures, hands-on work.

Audience: Historic architects, exhibit specialists, maintenance foremen, maintenance mechanics, etc.

Contact: Dorothy Printup, U.S. Department of the Interior, National Park Service, Williamsport Preservation Training Center, 205 West Potomac St., Williamsport, MD 21795; 301-223-7872.

Agency: U.S. Department of the Interior, National Park Service, Preservation Assistance Division

Title: Cultural Resources Training Initiative

Date and Location: Specific courses and dates TBA.

Description: Special funding in FY 1992 led to development of additional training opportunities. Funding is expected in FY 1993 as well. Many activities expanded upon existing training efforts by such organizations as RESTORE, New York Landmarks Conservancy, American Planning Association, Arizona State Museum, and Campbell Center.

Audience: Technicians, paraprofessionals, professionals working to preserve cultural resources in both public and private sectors.

Contact: H. Ward Jandl, U.S. Department of the Interior, National Park Service, Preservation Assistance Division, P.O. Box 37127, Washington DC; 20013-7127, 202-343-9588.

Agency: U.S. Department of the Interior, National Park Service, Archeological Assistance Division

Title: Archeological Curation and Collections Management

Date and Location: Twice during 1993; dates and locations TBA.

Description: Principles, methods of curation and collections management including planning, legislative, regulatory authorities and responsibilities; focus on care, protection of archeological collections.

Audience: Federal, State, local cultural resources and archeology program managers responsible for Federal or federally-administered archeological collections.

Contact: Veletta Canouts, U.S. Department of the Interior, National Park Service, Archeological Assistance Division, P.O. Box 37127, Washington, DC 20013-7127; 202-343-4113.

Agency: U.S. Department of the Interior, National Park Service, Archeological Assistance Division

Title: Overview of Archeological Protection Programs

Date and Location: TBA, will be offered twice nationwide, annual.

Description: Provides managers information to develop programs to protect archeological resources from looting, vandalism. Covers magnitude of the problem, applicable laws and regulations, team approach to solutions, case studies of protection programs, methods for improving efforts to detect archeological resources crimes, evaluation of staff training needs.

Audience: Federal, Tribal, State, local officials, interested others.

Contact: Richard Waldbauer, U.S. Department of the Interior, National Park Service, Archeological Assistance Division, P.O. Box 37127, Washington, DC 20013-7127; 202-343-4113.



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Description of Training Courses, 1993: State Agencies

WINTER

Agency: North Carolina Department of Cultural Resources/Historic Sites Section

Title: Interpretive Skills I: Public Service Excellence -- Dealing With Difficult People

Date and Location: 1-day workshop, Jan.; three NC locations TBA.

Description: Strategies for dealing with customers/visitors in difficult situations using class discussions, groups interactions, role-play situations.

Audience: Visitor service personnel at historic sites, museums.

Contact: Elaine Beck, North Carolina Department of Cultural Resources/Historic Sites Section, 109 E. Jones St., Raleigh, NC 27601-2807; 919-733-7862.



Agency: North Carolina Department of Cultural Resources/Historic Sites Section

Title: Interpretive Skills I: Speaking Your Best -- Communication Skills for Tour Guides

Date and Location: Feb., specific dates and NC location TBA.

Description: Workshop in basic communication skills for tour guides including questioning, listening, voice skills using lectures, discussions, skill practice, video tape feedback.

Audience: Tour guides in historic sites, museums.

Contact: Elaine Beck, North Carolina Department of Cultural Resources/Historic Sites Section, 109 E. Jones St., Raleigh, NC 27601-2807; 919-733-7862.

SPRING

Agency: Connecticut Trust for Historic Preservation

Title: Connecticut's Town Greens

Date and Location: Spring, specific dates and location TBA.

Description: History, planning, architecture, preservation of town greens in Connecticut. Workshop on findings of recent survey of more than 150 town greens, recommend measures for their preservation.

Audience: Preservation constituency, local government officials, historical societies.

Contact: Laura Clarke, Connecticut Trust for Historic Preservation, 940 Whitney Ave., Hamden, CT 06517; 203-566-3005.

Agency: Massachusetts Historical Commission

Title: Certified Local Government Workshop

Date and Location: March; specific date(s) TBA, Boston, MA.

Description: Training/workshop session covering topics including sur-

veys, National Register nominations, local historic district administration.

Audience: Certified Local Government Commission members, coordinators, staff.

Contact: Mark Verkennis, Massachusetts Historical Commission, 80 Boylston St., Suite 310, Boston, MA 02116; 617-727-8470.

Agency: North Carolina Department of Cultural Resources/Historic Sites Section

Title: Interpretive Skills II: Recreating the Past -- The Role of the Costumed Interpreter

Date and Location: March; specific dates and location TBA.

Description: Focus on accuracy in dress and in presentation. Interaction skills for involving visitors in this type of interpretation.

Audience: Historic Site interpreters who present costumed tours, crafts demonstrators, military impressionists, first-person performers.

Contact: Elaine Beck, North Carolina Department of Cultural Resources/Historic Sites Section, 109 E. Jones St., Raleigh, NC 27601-2807; 919-733-7862.

Agency: Massachusetts Historical Commission

Title: Survey and Planning Grant Workshop

Date and Location: May; specific date(s) TBA, Boston, MA.

Description: Overview of Massachusetts Historical Commission's Survey and Planning Grant Program, contract administration, financial management responsibilities, discussion of individual projects.

Audience: Survey and Planning Grant recipients, grant administrators, project coordinators.

Contact: Elsa Fitzgerald, Massachusetts Historical Commission, 80 Boylston St., Suite 310, Boston, MA 02116; 617-727-8470.

Agency: California Department of Parks and Recreation, Office of Historic Preservation

Title: Certified Local Government Annual Workshop

Date and Location: May, annual sessions held in northern and southern CA.

Description: Planning, program review, surveys and relationship with National Register, National Register program context statements, role of local commission and its ordinances, grants management.

Audience: Certified local government commission members, staff, other interested persons.

Contact: Sandra J. Elder, California Department of Parks and Recreation, Office of Historic Preservation, P.O. Box 942896, Sacramento, CA 94296-0001; 916-653-6624.

Agency: Ohio Historic Preservation Office, Ohio Historical Society

Title: Historic Preservation Commissions Training Course (Working title)

Date and Location: May 20, Cincinnati, OH.

Description: Aspects of serving on, operating historic preservation commissions including establishing review guidelines and procedures, working with local agencies and organizations, understanding the Sec-

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retary of the Interior's Standards and broad framework of historic preservation law. Workshop experience in design review.

Audience: Members, leaders in Historic Preservation Commissions/review boards, local historic preservation staff, Main Street managers, community development officials, property owners/tenants.

Contact: Mary Beth Hirsch, Ohio Historic Preservation Office, Ohio Historical Society, 1982 Velma Ave., Columbus, OH 43211; 614-297-2470.

SUMMER

Agency: New Hampshire Division of Historical Resources

Title: Prehistoric Archaeological Field School

Date and Location: July-Aug., 6 weeks; site TBA.

Description: Locate, investigate, evaluate prehistoric site in New Hampshire. Instruction in basic site reconnaissance techniques, excavation methods, field laboratory procedures.

Audience: Archeology students, interested others.

Contact: Richard Boisvert, New Hampshire Division of Historical Resources, P.O. Box 2043, Concord, NH 03302-2043; 603-271-3483.

FALL

Agency: Iowa State Historical Society

Title: Certified Local Governments Workshop

Date and Location: Fall, 2 days; specific location TBA.

Description: TBA; topic for 1992 workshop was "New Coalitions: Affordable Housing and Historic Preservation."

Audience: Historic preservation commissioners and staff, preservationists, interested others.

Contact: Kerry McGrath, Iowa State Historical Society, 600 East Locust, Capitol Complex, Des Moines, IA 50319; 515-281-6826.

Agency: Historic Preservation League of Oregon

Title: Landmark Commission Training Workshops

Date and Location: Fall; specific dates TBA; one to be held in North Willamette Valley, OR; one in southern OR.

Description: Workshop based on the second edition of "Landmarks Commission Handbook."

Audience: Staff, directors of local Landmarks Commissions in Oregon, interested others.

Contact: Dick Matthews, Historic Preservation League of Oregon, P.O. Box 40053, Portland, OR 97240; 503-243-1923.

Agency: Maryland Division of Historical and Cultural Programs and Maryland Community Assistance Administration

Title: The Total Community: Preserving A Way of Life

Date and Location: Nov. 5-6, Annapolis, MD.

Description: Annual Maryland Historical Trust meeting on theme of "Historic Preservation and Commercial Revitalization."

Audience: Planners, developers, elected officials, archeologists, historians, museum and nonprofit staff and boards, architects, historic district commissioners.

Contact: Suzanne King, Maryland Division of History and Cultural Programs and Maryland Community Assistance Administration, 100 Community Place, Crownsville, MD 21032; 410-514-7625.

Agency: Historic Massachusetts, Inc.

Title: Fall Leadership Workshop

Date and Location: Nov. 6, location TBA.

Description: Potential design impacts of such regulations as State Building Code, Americans with Disabilities Act of 1990, lead paint removal, housing rehabilitation. Panel discussions on sensitive, cost-effective design solutions that respect property's historic character while meeting regulatory requirements.

Audience: Members of local Historical Commissions, local Historic District Commissions, Certified Local Governments.

Contact: Historic Massachusetts, Inc., Old City Hall, 45 School St., Boston, MA 02108; 617-723-3383.

TO BE ANNOUNCED

Agency: California Department of Parks and Recreation, William Penn Mott Jr. Training Center

Title: Historic Preservation

Date and Location: TBA; annual, 8 1/2 days, Pacific Grove, CA.

Description: Information on historic preservation movement and role of California Department of Parks and Recreation in relation to historic preservation. Origins, organizations, environmental review, community interests, planning, archeology, research, oral history, art, living history, security, museum collections, interpretation, materials construction, restoration techniques.

Audience: Staff of California historic parks and monuments; Federal, Tribal, State, local government and nonprofit organization staff on space available basis.

Contact: Broc Stenman, California Department of Parks and Recreation, William Penn Mott Jr. Training Center, P.O. Box 699, Pacific Grove, CA 93950; 408-649-2954, 408-649-2824.



Agency: California Department of Parks and Recreation, William Penn Mott Jr. Training Center

Title: Interpretive Collections Management

Date and Location: TBA; annual, 5 days, Pacific Grove, CA.

Description: Philosophy of collections management, pertinent policies and procedures, steps in cataloging, accessioning, basic information on collection care, conservation.

Audience: California Department of Parks and Recreation employees; Federal, Tribal, State, local government and non-profit organization staff on space available basis.

Contact: Broc Stenman, California Department of Parks and Recreation, William Penn Mott Jr. Training Center, P.O. Box 699, Pacific Grove, CA 93950; 408-649-2954, 408-649-2824.

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Agency: California Department of Parks and Recreation, William Penn Mott Jr. Training Center

Title: Museum Collections Maintenance

Date and Location: TBA; annual, 5 days, Pacific Grove, CA.

Description: Park museum maintenance. Techniques from the class, museum hazards and safety, integrated pest management, museum packing, transportation and storage, conservation principals and procedures, onsite visits, conservation facility survey, care of decorative arts, museum environment, research and analysis prior to maintenance, museum issues, care of historic clothing, photographs, and slides.

Audience: Maintenance workers who provide primary care for artifacts, interpretive collections in California State park units and museums.

Contact: Broc Stenman, California Department of Parks and Recreation, William Penn Mott Jr. Training Center, P.O. Box 699, Pacific Grove, CA 93950; 408-649-2954, 408-649-2824.

Agency: Colorado Historical Society

Title: Program for Avocational Archeological Certification (PAAC)

Date and Location: Ongoing through Dec.; 12 cities in CO.

Description: PAAC certification program open to the public offering 12 courses in archeological survey, laboratory topics. Certificates achieved through combination of 10- to 25-hour classes and volunteered field work. Courses scheduled at 6-month intervals.

Audience: Avocational archeologists, members of Colorado Archeology Society.

Contact: Kevin Black, Colorado Historical Society, 1300 Broadway, Denver, CO 80203; 303-866-4671.

Agency: Kansas Association for Museum Volunteers

Title: Concerns In Your Community

Date and Location: Annual, offered in various areas of KS.

Description: Subject changes every year. Identifies ways to involve community members in museum program. Addresses new Americans with Disabilities Act and how it will effect museums.

Audience: Museum volunteers, interested others.

Contact: Betty S. Cowan, Kansas Association of Museum Volunteers, 5612 SW Barrington Court, N., Topeka, KS 66614-2448; 913-272-0645.

Description of Training Courses, 1993: Universities

WINTER

University: University of Nevada, Reno

Title: Current Archeology: An Overview

Date and Location: Jan. 5-15, Reno, NV.

Description: Latest information on GIS, small site analysis, maritime and underwater archeology, obsidian sourcing and dating, dating techniques, faunal analysis, paleoenvironmental analysis techniques, historic archeology, geomorphology, current theory and major issues in culture history. May be taken for full 2-week period or on daily basis.

Audience: Archeologists, land managers, cultural resource managers charged with designing, evaluating survey and mitigation proposals, reports on results.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.



University: University of Nevada, Reno

Title: Advanced Seminar on Preparing Agreement Documents Under Section 106 of National Historic Preservation Act
Date and Location: Feb. 17-19, Phoenix, AZ

Description: How to draft, organize major documents to conclude project review

-- Memoranda of Agreement, Programmatic Agreements, and Agreements -- based determinations of no adverse effect. When to use each,

how to facilitate review, acceptance by consulting parties. Special attention given to parallel requirements of Native American Graves Protection and Repatriation Act, National Environmental Policy Act, and Section 106.

Audience: Cultural resource/historic preservation professionals needing advanced training.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

SPRING

University: University of Nevada, Reno

Title: Keeping the Courts Out of Land Managing

Date and Location: March 1-3, Reno, NV.

Description: Impact of Archeological Resources Protection Act and Native American Graves Protection and Repatriation Act on land managing agencies, description of problems that may arise, recommended ways to enhance responsible planning.

Audience: Land managing officials responsible for making, interpreting policy.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

University: University of Nevada, Reno

Title: Advanced Seminar on Preparing Agreement Documents Under Section 106 of National Historic Preservation Act

Date and Location: March 15-17, Washington, DC; May 17-19,

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Raleigh, NC

Description: How to draft, organize major documents to conclude project review -- Memoranda of Agreement, Programmatic Agreements, and Agreements -- based determinations of no adverse effect. When to use each, how to facilitate review, acceptance by consulting parties. Special attention given to parallel requirements of Native American Graves Protection and Repatriation Act, National Environmental Policy Act, and Section 106.

Audience: Cultural resource/historic preservation professionals needing advanced training.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

University: *University of Nevada, Reno*

Title: Archaeological Research Design in CRM: What is the Question?

Date and Location: April 13-14, St. Louis, MO.

Description: Briefly examines function of archeological research design in CRM and in general, including what makes good and bad designs, necessary design elements, role of critiques and peer review, other topics.

Audience: Archeologists and cultural resource managers responsible for archeological research.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

University: *University of Wyoming*

Title: Field Studies in Historic Preservation

Date and Location: May 17-June, Italy.

Description: Current principles, methodologies in architectural conservation as practiced in Venice, Vicenza, Ravenna, Florence, Siena, Rome.

Audience: Individuals at various levels of preservation administration and study. Knowledge of western architectural history preferred.

Contact: James O. Rose, University of Wyoming, Director, Architectural Engineering, P.O. Box 3295, University Station, Laramie, WY 82071; 307-766-4224.

SUMMER

University: *Arizona State University*

Title: Language Renewal and Cultural Preservation

Date and Location: Summer; specific dates TBA; 1 1/2 hours per day, Mon-Fri. for 4 weeks, Tempe, AZ.

Description: Discusses issues and techniques of language renewal, cultural preservation in community and school settings. Techniques for preserving language and cultural artifacts using audio and video taping; laws relating to cultural and historic preservation including Bulletin 38, Guidelines for Evaluating and Documenting Traditional Cultural Properties.

Audience: American Indians, Alaska Natives, Native Hawaiians, ethnographers, interested others.

Contact: Dr. Betsy Brandt, Arizona State University, American Indian Summer Seminar, Department of Anthropology, Tempe, AZ 85287-2402; 602-965-5992, 602-965-2012.

University: *Arizona State University*

Title: Microcomputer Methods for Bilingual/ESL Classrooms

Date and Location: Summer; specific dates TBA; 1 1/2 hours per day, Mon-Fri. for 4 weeks, Tempe, AZ.

Description: Overview of concepts of writing multimedia publications and their relationship to American Indian Bilingual/ESL classrooms. Macintosh computer applied to publishing tasks that integrate text, graphics, sound, animation, video into instructional materials in native language of participants.

Audience: American Indians, Alaska Natives, Native Hawaiians, interested others.

Contact: Betsy Brandt, Arizona State University, American Indian Summer Seminar, Department of Anthropology, Tempe, AZ 85287-2402; 602-965-5992, 602-965-2012.



University: *University of Vermont*

Title: Historic Preservation Summer Institute

Date and Location: Summer, generally 2- to 5-day courses; specific dates TBA, Burlington, VT.

Description: Previous courses included conserving the countryside, discovering cultural resources, teaching with architecture, history and conservation of barns, lead paint abatement strategies for older buildings.

Audience: Local officials, staff from non-profit historical organizations, planners, preservationists, educators, historic building owners and managers, interested others.

Contact: Chester H. Liebs, University of Vermont, Department of History, Wheeler House, 442 Main St., Burlington, VT 05405; 802-656-3180, 802-656-8429.

University: *Utah State University*

Title: Archaeology Field School

Date and Location: Mid-June to early Aug., 7 weeks; specific dates TBA; Logan, UT.

Description: Archeology, laboratory techniques including historical documentation at Jarbidge Mountains and Mount Irish, NV. Learn about cultural resource planning by collecting information to assist Bureau of Land Management and Forest Service with management, investigation of prehistoric and historic sites.

Audience: Students, American Indians, government employees, avocational archeologists, interested others.

Contact: Bill Fawcett or Steve Simms, Utah State University, Department of Sociology, Social Work and Anthropology, Logan, UT 84322-0730; 801-750-1496.

University: *University of Hawaii*

Title: Pacific Preservation Field School

Date and Location: June; specific dates and location TBA.

Description: Theoretical, practical hands-on learning at historic site in Hawaii. Research, documentation, archeology, building analysis, planning, conservation, landscape.

Audience: Residents of Hawaii, Pacific Basin and mainland U.S.; students and workforce.

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Contact: William J. Murtagh, University of Hawaii, Pacific Preservation Consortium, 1890 East/West Road, Moore 324, Honolulu, HI 96822; 808-956-8570, 808-956-473.

University: *University of Nevada, Reno*

Title: Archeology for Managers

Date and Location: July, 5 days; specific dates and location TBA.

Description: Familiarization with archeology, archeological resources so problems can be identified early and effective solutions selected. Legal requirements, policies, guidelines, regulations, appropriate methods for resources management, development, operations. Field trip.

Audience: Federal, State, local program managers who do not necessarily have any background in archeology but who must manage archeological resources.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

University: *University of Nevada, Reno*

Title: Advanced Seminar on Preparing Agreement Documents Under Section 106 of National Historic Preservation Act

Date and Location: July 7-9 Chicago, IL

Description: How to draft, organize major documents to conclude project review -- Memoranda of Agreement, Programmatic Agreements, and Agreements -- based determinations of no adverse effect. When to use each, how to facilitate review, acceptance by consulting parties. Special attention given to parallel requirements of Native American Graves Protection and Repatriation Act, National Environmental Policy Act, and Section 106.

Audience: Cultural resource/historic preservation professionals needing advanced training.

Contact: Leanne Stone, University of Nevada, Reno, University: Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

University: *Rochester Institute of Technology*

Title: Preservation of Photographs

Date and Location: Aug. 14-19, Rochester, NY.

Description: Identifying, handling, storing photographs. Identify processes used to make 19th and 20th century images, recognize various forms of deterioration, document and plan preservation strategies. Choose appropriate enclosures and housings, respond to emergencies, coordinate preservation with collection management, store and display photo collections. Lectures and hands-on.

Audience: Archivists, curators, librarians, conservators, others responsible for photographic collections of libraries, galleries, historical societies, private and governmental archives.

Contact: Val Johnson, Rochester Institute of Technology, Technology and Education Center of the Graphic Arts, P.O. Box 9887, Rochester, NY 14623-0887; 716-475-2736.

FALL

University: *University of Nevada, Reno*

Title: Presenting The Past To The Public

Date and Location: Fall; specific dates TBA, Anasazi Heritage Center,

Dolores, CO.

Description: Designed to teach effective means for presenting materials to print and electronic media, including how to develop effective, cost-effective static and travelling exhibits.

Audience: Cultural resource management personnel, managers.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

University: *University of Nevada, Reno*

Title: Advanced Seminar on Preparing Agreement Documents Under Section 106 of National Historic Preservation Act

Date and Location: Sept. 13-15 Portland, OR.

Description: How to draft, organize major documents to conclude project review -- Memoranda of Agreement, Programmatic Agreements, and Agreements -- based determinations of no adverse effect. When to use each, how to facilitate review, acceptance by consulting parties. Special attention given to parallel requirements of Native American Graves Protection and Repatriation Act, National Environmental Policy Act, and Section 106.

Audience: Cultural resource/historic preservation professionals needing advanced training.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.

University: *University of Nevada, Reno*

Title: From the Field to the Printed Page: A Writing and Critical-Thinking Workshop for Archeologists

Date and Location: Nov. 4-6, Reno, NV.

Description: Combines small-group workshop activities with lecture material, hands-on experience with writing process, strategies for managing task-related anxieties.

Audience: Archeologists and cultural resource managers.

Contact: Leanne Stone, University of Nevada, Reno, Department of Anthropology/Historic Preservation, Division of Continuing Education/048, Reno, NV 89557; 702-784-4046.



Description of Training Courses, 1993: Other Organizations

WINTER

Organization: *National Trust for Historic Preservation*

Title: Preservation Leadership Training

Date and Location: Jan. 3-10, Pacific Grove/Carmel, CA; may be offered in northeast in late 1993.

Description: Community leadership; issues, architecture from Monterey Peninsula; developing staff and volunteer resources; developing board resources; planning assessment; financial management; resources development; legal tools -- ordinances, incentives, zoning, planning; economics of preservation; hands-on design; crisis management/politics of preservation; team presentations.

Audience: Non-profit board members, administrators, local preservationists.

Contact: Kathryn Burns, National Trust for Historic Preservation, Western Region, 1 Sutter Street, #707, San Francisco, CA 94104; 415-956-0610.

Organization: *American Association of Museum Volunteers*

Title: One on One With Each Other: Working With and For Volunteers

Date and Location: Annual, Jan. 12, Old Sturbridge Village, Sturbridge, MA.

Description: Presentations, discussions of people management and personal communications skills for people who work with volunteers in museums. Plenary sessions, small-group discussions; focus on person experience, current issues in the museum, psychology of communication, managing a disagreement, turning a conversation positive. Designed to address interpersonal issues not overall management challenges.

Audience: Museum volunteers, volunteers who manage volunteers, staff who manage volunteers -- for mid-range experience level.

Contact: Sarah S. Brophy, American Association of Museum Volunteers, 491 South Street, Carlisle, MA 01741; 508-369-5424.

Organization: *Southeastern Museums Conference*

Title: Complying with the Americans With Disabilities Act

Date and Location: Jan. 24-25, Tallahassee, FL; Feb. 7-8, Jackson, MS.

Description: Designed to help museums in complying with programmatic, physical and employment accessibility requirements of Americans with Disabilities Act.

Audience: Museum staff, trustees, volunteers

Contact: Pamela Meister, Southeastern Museums Conference, P.O. Box 3494, Baton Rouge, LA 70821-3494; 504-383-5042.

Organization: *Society of American Archivists*

Title: Understanding the USMARC Format for Archival and Manuscripts Control

Date and Location: Feb. 11-2, New Orleans, LA

Description: USMARC is the standard for structuring cataloging data, regardless of form of material cataloged, so data can be exchanged between automated systems. AMC is that portion other format devel-

oped for archives and manuscripts management. Primary focus is format fields. Informal lectures, individual exercises in tagging archival descriptions. Workbook provided.

Audience: Managers of archival description programs and those who prepare catalog cards for shared data log. Should have basic knowledge of archival principles of arrangement and description and automated capabilities.

Contact: Jane Kenamore, Society of American Archivists, 600 S. Federal, Suite 504, Chicago, IL 60605; 312-922-0140.

SPRING

Organization: *The Hermitage: Home of Andrew Jackson*

Title: Historic House Forum

Date and Location: Spring, specific dates TBA, Nashville, TN.

Description: Forum will focus on decorative and fine arts, architectural and interior design, gardens and landscapes of first half of 19th century. Sessions will be presented by scholars.

Audience: Museum professionals, specialists in material culture education.

Contact: George M. Anderjack, The Hermitage: Home of Andrew Jackson, 4580 Rachel's Lane, Hermitage, TN 37076; 615-889-2941.

Organization: *National Trust for Historic Preservation*

Title: Preservation Leadership Training for Preservation Commission

Date and Location: Spring, 4 days, offered around the country over next 4 years; specific dates and locations TBA.

Description: Intensive workshop will include lectures, resource materials, hands-on design exercise, role-playing, small group discussions, use of host community as a learning laboratory for on-site team projects.

Audience: Local Historic Preservation Commissions, staff.

Contact: Kathy Adams, National Trust for Historic Preservation, 1785 Massachusetts Ave., NW, Washington, DC, 20036; 202-673-4162.

Organization: *National Parks and Conservation Association*

Title: Interpreting and Preserving Presidential Sites

Date and Location: March 8-12, Washington, DC.

Description: Variety of lectures, discussions, workshops, field trips will introduce new scholarship, present variety of interpretive, educational programs from different presidential sites. Practical information on creation, implementation of new programs to improve interpretation for site visitors.

Audience: Interpreters, managers, historians, curators, librarians of Federal and private presidential sites and libraries.

Contact: Bruce Craig, National Parks and Conservation Association, 1776 Massachusetts Avenue, NW, Suite 200, Washington, DC 20036; 202-223-6722.

Organization: *Vernacular Architecture Forum*

Title: Vernacular Architecture Annual Meeting

Date and Location: May, specific dates TBA, Natchez, MS.

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Description: Concentrates on first hand exploration of regional landscapes, communities, buildings, followed by presentation of technical papers.

Audience: Architects, landscape architects, architectural historians and conservators, cultural resource managers, preservationists, interested others.

Contact: Peter Kurtze, Vernacular Architecture Forum, 109 Brandon Road, Baltimore, MD 21212.

Organization: *National Trust for Historic Preservation*

Title: National Town Meeting on Main Street

Date and Location: May 9-12, annual, Milwaukee, WI.

Description: Focus includes use of festivals as a way to enhance and salute ethnic diversity, raise dollars, create new community image and build home town pride; organizational development, implementation of design, promotion and economic efforts for neighborhood commercial districts; historic preservation as economic and design tool; heritage education; presentations and local case studies.

Audience: Program managers, staff and committee members of downtown revitalization programs, city, county, regional planners and officials, interested others.

Contact: Linda Donavan Harper, National Trust for Historic Preservation, National Main Street Center, 1785 Massachusetts Ave., NW, Washington, DC 20036; 202-673-4221.

Organization: *Victorian Society in America*

Title: Nineteenth Century American Architecture

Date and Location: May 28-June 6, annual, Newport, RI.

Description: Intensive study of architecture, decorative arts, material culture of Newport, 19th century America with emphasis on interpretation, history, preservation. Lectures, tours.

Audience: Professional historians of architecture, art, history, museum and historical society personnel and curators, historic preservation professionals.

Contact: Richard Guy Wilson, Victorian Society of America, c/o The Athenaeum, East Washington Square, Philadelphia, PA 19106; 804-924-3976.

SUMMER

Organization: *Campbell Center for Historic Preservation Studies*

Title: Collections Care Core Curriculum - Archeological and Ethnographic Collections

Date and Location: Summer, 4 weeks, annual; specific dates TBA, Mt. Carroll, IL.

Description: Section I - Materials and Collections, 2 weeks, foundation for collection care decision making based on understanding chemical, physical properties of materials; Section II - The Museum Environment, 1 week, in-depth study of museum environment from light levels to pest control; Section III - Management and Planning, 1 week.

Audience: Curatorial and collections management staff from small to mid-sized archeological, anthropological, ethnographic museums.

Contact: Mary Wood Lee, Campbell Center for Historic Preservation Studies, 203 Seminary St., P.O. Box 66, Mt. Carroll, IL 61053; 815-244-1173.



Organization: *American Institute for Conservation*

Title: American Institute for Conservation of Historic and Artistic Works (AIA) Annual Meeting

Date and Location: May 31-June 6, Denver, CO.

Description: Numerous papers and presentations on theme of "Collections in Historic Structures."

Audience: Conservators, students, archivists, curators, museum and library administrators, scientists.

Contact: Sarah Z. Rosenberg, American Institute for Conservation, 1400 Sixteenth Street, NW, Suite 340, Washington, DC 20036; 202-232-6636.

Organization: *Campbell Center for Historic Preservation Studies*

Title: Collections Care Core Curriculum - Historical and Fine Art Collections

Date and Location: June, 4 weeks, annual; specific dates TBA, Mt. Carroll, IL.

Description: Section I - Materials and Collections, 2 weeks, foundation for collection care decision making based on understanding the chemical and physical properties of materials; Section II - The Museum Environment, 1 week, in-depth study of museum environment from light levels to pest control; Section III - Management and Planning, 1 week, staffing, facilities, etc.

Audience: Curatorial and collections management staff from small to mid-sized art or historical museums.

Contact: Mary Wood Lee, Campbell Center for Historic Preservation Studies, 203 Seminary St., P.O. Box 66, Mt. Carroll, IL 61053; 815-244-1173.

Organization: *Campbell Center for Historic Preservation Studies*

Title: Various Courses in Architectural Preservation

Date and Location: June-Sept., Mt. Carroll, IL.

Description: Courses generally 4 or 5 days. Courses for 1992 included identification and analysis of historic paint, exposing decorative paint schemes, restoration engineering for non-engineers, preservation of historic landscapes, deterioration and conservation of wood, workshop on masonry preservation, materials and methods.

Audience: Mid-career training for those in fields of architectural and historic preservation including staff of local, State, Federal government agencies, non-profit organizations, interested others.

Contact: Mary Wood Lee, Campbell Center for Historic Preservation Studies, 203 Seminary St., P.O. Box 66, Mt. Carroll, IL 61053; 815-244-1173.

Organization: *Campbell Center for Historic Preservation Studies*

Title: Various Collections Care Courses

Date and Location: June-Sept., Mt. Carroll, IL.

Description: Courses generally 4 or 5 days, covering specific materials or aspects of museum operations. Courses for 1992 included security for small museums and historic houses, disaster mitigation conference, disaster mitigation workshop, care of works of art on paper, care of textiles, design and construction of mounts for exhibit and storage,

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custom mannequins, evaluation of materials, etc.

Audience: Curatorial, registration, technical support staff of local, State, Federal government agencies, non-profit historical societies, museums.

Contact: Mary Wood Lee, Campbell Center for Historic Preservation Studies, 203 Seminary St., P.O. Box 66, Mt. Carroll, IL 61053; 815-244-1173.

Organization: American Rock Art Research Association

Title: The Management and Protection of Rock Art Sites

Date and Location: June 8-11, Reno, NV.

Description: Course provides information on assessing significance of rock art sites and determining priorities for preservation, designing effective site management plan, how to formulate policies for site interpretation and visitor management, role of conservation and recording in site protection, management.

Audience: Archeologists and cultural resource managers at Federal, Tribal, State, county, city levels.

Contact: A.J. Bock, American Rock Art Association, P.O. Box 65, San Miguel, CA 93451; 805-467-3704, 805-467-2532.

Organization: Jefferson's Poplar Forest

Title: Archeological Field School

Date and Location: June 21-July 24, Bedford County, VA.

Description: 5-week archeological field school to teach fieldwork, methods in historical archeology. Practical skills of excavation, recording, artifact identification and processing, site interpretation. 40 hours/week on site instruction plus lectures and field trips. Fieldwork will focus on grounds of Poplar Forest, Thomas Jefferson's plantation retreat in Forest, VA.

Audience: School teachers, undergraduate or graduate students in social sciences, high school graduates interested in archeology and Thomas Jefferson.

Contact: Barbara Heath, Jefferson's Poplar Forest, P.O. Box 419, Forest, VA 24551; 804-525-1806.

Organization: Association for Gravestone Studies

Title: Association for Gravestone Studies Annual Conference

Date and Location: June 24-27, New Haven, CT.

Description: Workshops on gravestone restoration, preservation; using gravestones as classroom resource; using computers in compiling cemetery records; also includes scholarly papers on research, preservation subjects.

Audience: Association for Gravestone Studies members, interested others.

Contact: Miranda Levin, Association for Gravestone Studies, 30 Elm St., Worcester, MA 01609; 508-831-7753.

Organization: Jefferson's Poplar Forest

Title: Restoration Field School

Date and Location: July 6-19, annual, Forest, VA.

Description: Overview of the process of restoration with emphasis on hands-on training in architectural conservation, investigation. Includes documentation, emergency stabilization, architectural investigation, historical archeology, historical

interpretation, restoration theory field trips.

Audience: Anyone with demonstrated interest in restoration techniques, preferably those interested in associated careers.

Contact: Travis McDonald, Jefferson's Poplar Forest, P.O. Box 419, Forest, VA 24551; 804-525-1806.

Organization: Jefferson's Poplar Forest

Title: Restoration Field School

Organization: Mid-Atlantic Association of Museums

Title: Collections Care Training Program

Date and Location: July 12-Aug. 4, 24 days, annual, Newark, DE.

Description: Intensive series of lectures, seminars, workshops focusing on care of historical collections in museums and historical agencies. Offered to limited number of currently-employed museum professionals by application. Presents procedures, practices of collections management, object storage, environmental control, fundamental conservation of artifacts.

Audience: Museum professionals.

Contact: Frank McKelvey, Mid-Atlantic Association of Museums, P.O. Box 4537, Wilmington, DE 19807; 302-888-4871.

Organization: Great Lakes Lighthouse Keepers Association

Title: Lakes and Lighthouses Heritage Education Workshop

Date and Location: First week of Aug., 4 days, annual; St. Helena Light Station, Straits of Mackinaw, MI.

Description: Workshop on use of curriculum guide and support materials in Lighthouse Library for heritage education. Special emphasis for workshop yet to be determined. Topics under consideration include high adventure programming on the Lakes and archeology.

Audience: Teachers, youth leaders, museum educators, interpreters.

Contact: Donn Paul Werling, Great Lakes Lighthouse Keepers Association, P.O. Box 580, Allen Park, MI 48101; 313-593-5593.

FALL

Organization: Association for Preservation Technology International (APT)

Title: Annual APT Conference and Pre-Conference Training Sessions

Date and Location: 7 days, Sept.-Oct., specific dates and location TBA.

Description: Previous training sessions on stained glass conservation, ornamental plaster repair and replication. Concurrent technical session in conference on preservation in practice, case studies, international preservation sampler, preservation of sacred sites, investigation and

restoration of domes, historic structure reports, computer applications for preservation, architectural fragments, etc.

Audience: Architects, architectural historians and conservators, engineers, cultural resource managers, preservationists, interested others.

Contact: Association for Preservation Technology International, P.O. Box 8178, Fredericksburg, VA 22404; 703-373-1621.

Organization: Mountain Plains Museum Association

Title: Great Expectations



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Date and Location: Oct. 6-9, Colorado Springs.

Description: Annual meeting on topic, "Who Are We Now: The Museum Staff in the 1990s," with sessions and pre-conference workshops.

Audience: Mountain Plains Museum Association members.

Contact: Pat Florence, Mountain Plains Museum Association, P.O. Box 335, Manitou Springs, CO 80829; 719-528-4762.

Organization: *Old Sturbridge Village*

Title: Your Antique Home: Its Preservation, Restoration, and Decoration

Date and Location: Oct. 23-24, Sturbridge, MA.

Description: Workshops, lectures, discussion of restoration of houses or interiors. Registration required.

Audience: Home owners, designers, interested others.

Contact: Special Events, Old Sturbridge Village, 1 Old Sturbridge Village Road, Sturbridge, MA 01566; 508-347-3362.

AS REQUESTED

Organization: *American Institute of Architects (AIA)*

Title: Workshop I: Americans with Disabilities Act (ADA) for Architects, An Introduction

Date and Location: AIA can accommodate requests from AIA members and design firm staff; 4 hours.

Description: Explains impact of Americans with Disabilities Act relative to the built environment. Explains important points of Title I (Employment Policies), Title II (Public Services), Title III (Public Accommodations and Commercial Facilities), including key definition, disability profiles, benefits of universal design.

Audience: AIA members, other interested design firm staff members.

Contact: Brenda J. Henderson, American Institute of Architects, Professional Development, 1735 New York Ave., NW, Washington, DC 20006; 202-626-7353.

TO BE ANNOUNCED

Organization: *Western Museums Conference*

Title: Collaborative Professional Development Workshops

Date and Location: Offered in nine states between March-Nov.; 1 or 2 days; AK, AZ, CA, HI, ID, NV, OR, UT, WA.

Description: Variety of topics, majority having to do with education, interpretive programs in museums. Previous workshops: partners in art--museums and schools; seamless grants--teamwork in fundraising; creating and working with culturally diverse community groups; exhibit evaluation; museums and community relations; case studies; using photos and videos in museums; registration; exhibit design; emergency planning.

Audience: Museum staff from public or private museums, community members.

Contact: Executive Director, Western Museums Conference, 700 State Drive, Room 130, Los Angeles, CA 90037; 213-749-0119

Organization: *American Society of Landscape Architects (ASLA)*

Title: New Horizons New Realities: ASLA Annual Meeting and Educational Exhibit

Date and Location: TBA, Chicago, IL.

Description: Multiple tracks with lecture/discussion, workshop or round table discussion on wildflowers in designed landscapes, geomorphic integrity, landscape planning in national capitals, cemetery planning and design, facilitating neighborhood change, universal design, signage, viable habitats in urban areas, multi-cultural considerations, heritage education, scenic byways, wetlands, historic landscape preservation.

Audience: Landscape architects, students, preservationists, interested others.

Contact: Annual Meeting, American Society of Landscape Architects, Department 5083, Washington, DC 20061-5083.

Organization: *CEHP Incorporated*

Title: Passport in Time Clearinghouse

Date and Location: Specific dates and locations TBA.

Description: Volunteer clearinghouse that offers opportunities to learn by doing. Archeological excavation, site mapping, drafting, laboratory and art work, collecting oral histories, restoring historic buildings, library archival research, exhibit design or archeological site monitoring. Projects vary in length from a weekend to one month or longer, located in National Forests.

Audience: Interested people.

Contact: Kathleen Schamel, CEHP Incorporated, P.O. Box 18364, Washington, DC 20036; 202-293-0922, 202-293-1782.

Organization: *Native American Language Issues Institute (NALI)*

Title: Protection, Preservation and Promotion of Native Languages: The Next 500 Years

Date and Location: Annual, specific dates, theme, and location TBA.

Description: Ethnographic methods for language and culture preservation; preservation of endangered languages; resources for language, culture preservation; legislative issues; archival efforts for language, culture preservation.

Audience: Tribal specialists in areas of sovereignty, linguistics, legislation, anthropology, archival management, grant writing. Government officials, researchers, policy makers, interested others.

Contact: NALI Central, Native American Language Issues Institute, P.O. Box 963, Choctaw, OK 73020; 405-454-2158, 405-454-3688.

Organization: *Navajo Nation Historic Preservation Department*

Title: Seventh Annual Navajo Studies Conference

Date and Location: 3 days, specific dates, location, and theme TBA.

Description: Previous conference looked at preserving Navajo Way of Life--how Navajos are trying to keep traditional culture alive in the changing world and how non-Navajo professionals can help. Preserving sacred places outside Indian lands; traditional land use today; preservation through documentation of historical, archeological record; language; law; images of Navajos in movies, etc.

Audience: Navajos, American Indians, health professionals, educators, administrators, students, anthropologists, ethnographers, interested others.

Contact: Alexa Roberts, Navajo National Historic Preservation Department, P.O. Box 2898, Window Rock, AZ 86515; 602-871-6437.

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INTENTIONAL BURIAL

(Continued from page 1)

Gas Transmission System (Iroquois) as a part of its cultural resource assessment program.

The purpose of the study was to test a hypothesis suggesting that short-term burial of cultural materials, under a protective overburden, would preserve those materials from the effects of pressure exerted by the movement of heavy equipment during pipeline construction.

Iroquois, certified by the Federal Energy Regulatory Commission (FERC) and various State agencies, constructed a buried natural gas pipeline beginning in Iroquois, Ontario, Canada, and extending approximately 370 miles through New York State and Connecticut, across Long Island Sound, and onto Long Island, New York. Iroquois was required under Section 106 of the National Historic Preservation Act to conduct field surveys to identify, evaluate, and protect historical and archeological resources as appropriate throughout the entire right-of-way.

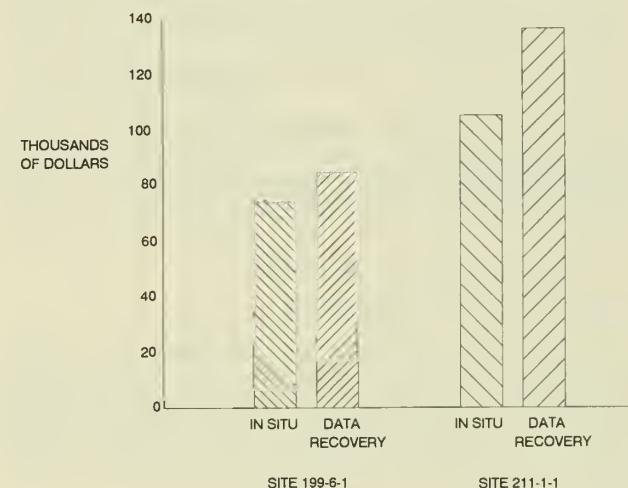
Field surveys identified more than 300 historic and 58 prehistoric archeological sites within New York State. The results of these field surveys were reviewed, under Section 106, by the NYSHPO staff and FERC. As a result, 43 of the sites were found to be potentially eligible for inclusion on the National Register of Historic Places.

Iroquois made every effort to avoid impacts on identified sites. Avoidance measures included realignment of the pipeline right-of-way, mechanical boring under sites, and designation of restricted right-of-way areas. Where avoidance was not possible, measures were taken to mitigate possible impact of pipeline construction on an eligible site. These measures included both extensive data recovery plans and the experimental alternative method of in situ site preservation proposed by NYSHPO.

Two Iroquois designated sites, number 199-6-1, a multi-component prehistoric site dating to the Late to Terminal Archaic periods, and 211-1-1, a large multicomponent prehistoric site dating to both the Terminal Archaic and Middle to Late Woodland periods, were chosen as test areas because of the diversity of cultural materials found at each site, which allowed assemblages from distinct cultural periods to be examined for the effects of heavy equipment compaction.

The study focused on preservation of sites through the layering of a protective covering of a geo-synthetic filter fabric and fill, which was put in place over a designated portion of the test site area. Phase I, II, and a partial Phase III data recovery programs were conducted prior to construction. The materials recovered were analyzed for use as a control and were later compared with materials recovered post-construction. Garrow and Associates, under contract to Iroquois, conducted all of the data recovery and artifact analysis for the study.

The results of this field study have shown that, in instances in which construction will be conducted over a relatively brief time span, the effects of heavy equipment compaction



Cost Comparison: In situ Preservation vs. Data Recovery. In situ costs include Phase I and Phase II data recovery. (Data provided by Iroquois Gas Transmission System.)

can be reduced by short-term, in-place preservation of an archeological site. These results may be used as an argument to justify reduction of overall project time by allowing a site, identified through Phase I and II excavation, to be buried rather than undertake a lengthy mitigation. This technique would serve to protect a site's integrity during construction and leave it relatively intact.

Additional information on this study, including test data, may be obtained from Anthony J. Ardito, New York State Office of Parks, Recreation and Historic Preservation, Empire State Plaza, Agency Building 1, Albany, NY 12238-0001.

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Engineering Solutions for Heritage Preservation: The Role of the Corps

By Paul R. Nickens and Roger T. Saucier

The U.S. Army Corps of Engineers (COE) continually faces the formidable task of providing effective management of the numerous prehistoric and historic archeological properties located on project lands under its jurisdiction. This responsibility includes tasks related to planning studies and construction, operations, and maintenance activities at Civil Works projects.

The various stages of project development and implementation tend to create settings that are not always conducive to simple long-term management of archeological resources. The potential for serious impacts derives not only from the planning and construction phases, but also from the operating stage of projects, which often creates new and long lasting impacts for archeological sites.

Archeological Site Preservation Research and Development

Traditionally, COE cultural resources managers have faced the problem of mitigating project impacts to archeological sites by employing avoidance, if possible, and, when necessary, resorting to data recovery procedures.

Site avoidance has the advantage of being inexpensive, but it often only provides short-term protection for a resource. A site avoided during project construction still may be



Protection of petroglyphs by application of stone strengthener at Kanopolis Lake, KS (Courtesy of Paul Nickens).

subject to erosion and other natural forces. It may be subjected to additional pressures from secondary and indirect impacts brought about by proximity to a project.

Data recovery usually is expensive if done correctly, and often requires costly, lasting commitments for curation of artifacts and records. Data recovery permanently erases another part of the already endangered *in situ* archeological record.

In the early 1980s COE began looking into archeological site preservation as an acceptable alternative managerial strategy with the goals of: (1) taking a proactive role in preserving the integrity of significant archeological sites; (2) achieving compatibility of protective measures with both the local environmental and management settings of a site; (3) providing for monitoring of preservation technology and site condition; and (4) providing for future scientific access to sites.

In 1984 COE sponsored an interagency workshop to examine its site preservation program and to address the need for additional research and development. The workshop concluded that: (1) site preservation could be an acceptable, effective, and practical cultural resource management option; (2) there was an increasing need for site preservation at existing projects; (3) relevant information on site preservation technology existed, but most of it was not readily accessible or understandable to archeologists; (4) little was known about possible side effects of conventional techniques for soil erosion control on archeological sites; (5) most documented examples of successful site preservation appeared to have been the outcome of trial and error and good luck more than effective planning; (6) research and development assistance in evolving planning and management techniques as well as collection of technical data was needed; and (7) there was a critical need for better dissemination of information among agencies, but especially within COE itself.

Following the workshop, a research and development work unit was funded within the Environmental Impact Research Program of the Environmental Laboratory at the U.S. Army Engineer Waterways Experiment Station in Vicksburg, MS. Now in its seventh and final year of funding, the research work unit has endeavored to solve these problems.

The topic of site preservation and long-term management for archeological resources encompasses a wide variety of

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resource types, is concerned with impacts from a number of natural and anthropogenic sources, and seeks solutions from many fields of study. The COE effort has been focused primarily on nonarchitectural archeological prop-



Log revetment along the Salmon River, ID, (Courtesy of Paul Nickens).

erties and preservation technologies that might be directed to solving problems associated with the types of impacts that commonly occur at COE projects. Certain resource types have been somewhat neglected, for example, prehistoric and historic architectural sites, historic engineering features, and historic underwater materials.

Preservation Technologies

The work unit began with a survey of relevant disciplines to identify potential site preservation techniques. Much of this technology came from the field of engineering, especially various techniques for controlling streambank, shoreline, and coastal erosion. Erosion control methods for stabilizing horizontal and sloped soil surfaces were important. Another activity was a workshop, co-sponsored with Texas A&M University, to address the physical-chemical-biological processes affecting archeological sites.

This workshop provided a basis for subsequent field experiments to evaluate intentional protective burial of archeological sites. Other aspects addressed by the program include surface erosion of archeological sites and its implications for site preservation. Two techniques examined were the use of sequential historical aerial photographs to measure and predict reservoir shoreline erosion of sites, chemical stabilization of sandstones bearing rock art, and the use of signs to protect archeological sites from deprecative behavior and vandalism.

Management Guidelines

A second category for the work unit involved developing guidelines and strategies that managers can use to identify impacts and to select appropriate solutions. A modeled approach for organizing site stabilization projects was created to assist in selection of the proper options to be employed in specific situations.

Other guidelines have been offered in a manual for reservoir operators concerning inundation of archeological sites and a review of preservation needs at COE projects where normal operations and maintenance activities impact archeological sites. Guidelines on preservation matters are currently being summarized in a final report and by preparation of a draft *Engineer Manual* on site protection and preservation to be issued by COE at a later date.

Technology Transfer

Effective dissemination of research results from the work unit was given high priority to make useful information readily available to potential users. Several mechanisms were employed including:

1. The *Archeological Sites Protection and Preservation Notebook*, a compilation of technical notes covering such relevant topics as impacts, site burial, soil and rock stabilization, vegetative stabilization, camouflage and diversionary tactics, site surveillance, stabilization of existing structures, floral and faunal control, signs, and inundation.
2. Technical reports that have been distributed to other Federal and State agencies and also in the private sector.
3. A 25-minute video on archeological site preservation highlighting preservation efforts by COE and other agencies, which has been widely distributed as an information-sharing and training tool.
4. Two annotated bibliographies, one including core references to site protection and preservation and another including pertinent technical publications.
5. Participation in professional meetings, workshops, and training sessions, which has been considered a vital form of information dissemination.
6. A training workshop in archeological site protection and preservation, which was offered in 1991, as well as co-sponsorship of a workshop on reservoir shoreline erosion and revegetation techniques in 1988.

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Training in Remote Sensing/ Geophysical Techniques for Cultural Resource Management

By Steven L. De Vore

With the increase in environmental and political pressures mandating archeological and other cultural resource assessments, the application of geophysical and other types of remote sensing techniques to cultural resource management is on the increase. Although most archeologists are aware of these methods, few have an understanding of the applicable technology. During the past two years the National Park Service (NPS) has presented a workshop on these techniques to archeologists and other cultural resource managers in order to provide them with an understanding of the techniques and their application to cultural resource investigations.

The NPS workshop offers a novel and innovative approach to presenting the applicability of remote sensing/geophysical techniques that provides familiarity with the equipment, the techniques, and their potential usage while incorporating new concepts such as global positioning systems and low altitude, large-scale aerial photography.

The workshop is one of several training initiatives of the NPS Cultural Resource Training Initiative program. Personnel from seven Federal agencies, two State Historic Preservation Offices, one State Archeologist's Office, two State/County Department of Transportation agencies, five U.S. universities, one Canadian university, two State archeological societies, and eight private contracting firms have participated in the workshop.

Geophysical techniques are nonintrusive methods that permit the reconnaissance of areas with archeological potential without disturbing them, and provide essential data for planning purposes, archeological investigations, and stabilization of historic or prehistoric structures. Because it is rapid and nondestructive, geophysical equipment may provide an efficient resource planning tool to target specific excavation or stabilization objectives as well as providing a means of locating buried cultural phenomena.

There is a significant range of instruments and techniques that are available from several sources; however, lack of familiarity with their potential and the various methods for using them have been factors in limiting their uses in most

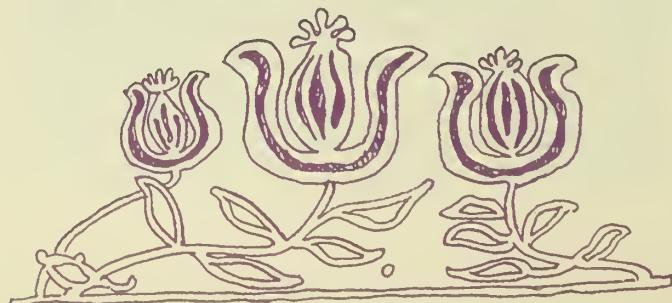
cultural resource projects in the United States. Ground penetrating radar is a technology that may be used with other analytical techniques to evaluate interior structural components of walls, floors, and foundations of both prehistoric and historic structures. Interpretation of a variety of available aerial photographs can provide clues to past cultural activities, including the location of archeological sites, the presence of historic and prehistoric trails, and the construction and demolition of historic communities and structures.

The NPS workshop is designed to provide a practical application of electronic instruments and survey techniques available for the identification, evaluation, and, ultimately, the conservation and preservation of cultural resources. Instruction is provided in the use of electronic survey equipment including an electronic total station, data collector, and associated computer mapping of the field data. Geophysical instruction includes the use of magnetometers, conductivity meters, resistivity meters, and ground penetrating radar and their applications to non-destructive subsurface investigations.

The major emphasis of the workshop centers on the field use of equipment, but participants also have an opportunity to interpret data under the supervision of course instructors and to study the uses of aerial photography.

These types of techniques can provide investigators with the means to identify and evaluate resources while reducing impacts and helping to preserve archeological sites or structures. These methods can also provide more efficient use of labor and funds as well as important information on subsurface anomalies, which can be used to identify cultural resources and/or target specific project objectives.

The first two annual workshops were held in Colorado, but the 1993 Geophysical Training Workshop is scheduled to take place during the first week of June at the Fort Laramie National Historic Site in Wyoming. For details contact Staff Archeologist Stephen L. De Vore, Interagency Archeological Services, National Park Service Rocky Mountain Regional Office, P.O. Box 25287, Denver, CO 80225-0287; telephone (303) 969-2882.



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Archeological Site Stabilization

IASD Active in Site Stabilization

Site stabilization was the focus of several projects of the Interagency Archeological Services Division (IASD) of the National Park Service (NPS) Southeast Regional Office during 1992. Of particular interest was the successful stabilization of the mouth of Russell Cave National Monument where silt deposits and heavy rains had caused mud slides that threatened to destroy the prehistoric cave shelter. IASD staff members prepared a stabilization plan in conjunction with Tennessee Valley Authority hydrological engineers and negotiated for the donated services of the 51st Engineering Battalion of the Alabama National Guard to complete the stabilization construction work.

Over July 11-12 one section of the original creek channel was reopened, sediment from the creek was placed on the eroded face of the cave shelter, and filter fabric installed and anchored with rip rap, which was covered with sand and rocks to blend in with the surrounding area.

IASD and the University of Mississippi held a workshop in Portland, Oregon, that included two days of on-site training. Among 23 participants were NPS managers and representatives of State Historic Preservation Offices, the U.S. Army Corps of Engineers, State park systems, and public utility companies. IASD also developed a Scope of Work for Fort Brown Archeological Site reburial and coordinated archeological testing and stabilization through reburial of a portion of the mid-19th century Mexican War site at Brownsville, Texas.

Radar Helps Save Ancient Burial Site

Use of a ground penetrating radar system by the Department of Agriculture's Soil Conservation Service (SCS) in cooperation with Vermont conservationists helped in a recent search for the boundaries of a 2,000-year-old Indian burial ground that was in danger of eroding into a river.

A nonintrusive scan using a ground penetrating radar device dragged over the area on a wooden "sled" solved the problem. SCS conservationists then worked with officials of the Vermont Division of Historic Preservation to alter the design of a streambank stabilization project to minimize any disturbance to the ancient Abenaki Indian Tribe burial ground. SCS has three ground penetrating radar systems that are used around the country and overseas.

Shoreline Erosion Workshop

The Tulsa District of the U.S. Army Corps of Engineers hosted a Reservoir Shoreline Erosion Workshop, cosponsored by the U.S. Army Engineer Waterways Experiment Station, Oct. 26-30, 1992, at Lake Eufaula, OK. Representatives of a number of Federal and State agencies gathered to study the effects of shoreline erosion, the types and extent of properties and facilities threatened, and strategies and techniques, especially innovative and environmentally compatible approaches to shoreline stabilization.

The workshop, which included a field trip to lake sites where different bank and shore stabilization strategies have been applied, focused primarily on low cost solutions to the shoreline erosion problem such as a combination of vegetation and economical engineering methods. Proceedings of the workshop will be published. For more information write to the Waterways Experiment Station, U.S. Army Corps of Engineers, 3909 Hall Ferry Road, Vicksburg, MS 39180-0199.

Engineering Solutions

(Continued from page 19)

7. An informal technical assistance effort that has involved numerous indirect (telephone and mail) and direct (field visits) contacts with archeologists and managers seeking remedies for specific preservation problems.

The key element in realizing successful site preservation is effective technology transfer, the linkage between new and innovative technology or procedures, and implementation of that technology by an operational organization.

Getting information out to the field is important, but the reverse is also true. Those in research and development need feedback regarding successes and failures of various techniques over the long term. To do this, field elements must commit themselves to monitoring and verification procedures at site preservation projects.

Editor's Note: These excerpts are taken from a paper presented during the 57th Society for American Archeological Association annual meeting in Pittsburgh, April 8-12, 1992. Paul R. Nickens and Roger T. Saucier are archeologists at the U.S. Army Engineer Waterways Experiment Station in Vicksburg, MS.

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Erosion Seminar

A 1-day seminar on "The Prevention, Control, and Repair of Erosion on Archaeological Earthworks," was sponsored September 21, 1992, by the ACAO Countryside Committee and the IFA Cultural Resource Management Special Interest Group at Birmingham University, Birmingham, England. This was the first national effort to draw archeologists and resource managers together to address the problem of protecting the country's earthworks. Thirteen papers were presented. Preliminary plans for publishing the proceedings are underway, and additional information on the seminar can be obtained from **John Manley, Department of Development and Tourism, Shire Hall, Clwyd, CH7 6NB, UK.**

During open discussions the delegates indicated an interest in and intent to form a site stabilization and conservation clearinghouse patterned after the National Clearinghouse for Archaeological Site Stabilization at the University of Mississippi. As a result, a medium for the international exchange of information dealing with the conservation of cultural resources will be put into place, providing a forum for the international dissemination of innovations in conservation technology.

Additional information concerning these activities in the United Kingdom, as well as details of the National Clearinghouse for Archaeological Site Stabilization are available from **Robert M. Thorne, National Clearinghouse for Archaeological Site Stabilization, University of Mississippi, University, MS 38677.**

Underwater Cultural Resource Management Training

The National Park Service (NPS) held two underwater courses in 1991 as part of its Cultural Resources Training Initiative. During Underwater Archeology Field Training May 31-June 5, 1991, representatives of the recreational diver training community, the national sport diver certification agencies, and professional archeologists met at Key West's Fort Jefferson National Monument to work on developing curricula for teaching underwater archeology.

With close to three million certified sport divers in the nation, one of the largest categories of visitor increases in National Parks has been sport diving, making the impact on submerged cultural resources a major NPS consideration. One objective of this course was to encourage a conservation ethic in instruction for specialty certification in wreck diving and underwater archeology. Fort Jefferson provided an ideal setting for that, complete with shipwrecks. The Los Angeles Maritime Museum provided an archeologist who had already developed a sample course from which to work. Participants agreed to modify their curricula to reflect NPS concerns.

The second course, Submerged Cultural Resources Management Training, was held June 10-14, 1991, at Biscayne National Park in Florida. Managers and pro-

tection and interpretation personnel from protected marine areas that have historic shipwrecks under their authority worked together to find ways to enhance stewardship of this unique element of the resource base. Participants included NPS marine park superintendents, National Oceanic and Atmospheric Administration sanctuary managers, State Historic Preservation Officers, marine archeologists from coastal States, and representatives from Puerto Rico and the Canadian Parks Service.

In addition to classroom discussions of problems and presentations of case studies, actual underwater work sessions gave participants an opportunity to try different problem solving approaches. During other sessions new technologies for monitoring and protection, some coming out of the Persian Gulf War, were evaluated for application in parks and preserves. Industry representatives demonstrated their wares and fielded questions on how they might be used.

For further information on these two courses and subsequent results contact **Larry Murphy, Submerged Cultural Resources Unit, National Park Service Southwest Cultural Resources Center, P.O. Box 729, Santa Fe, NM 87501; telephone (505) 988-6781.**

Federal Archeology Report

Recognize an Old Friend: The National Register of Historic Places

By John H. Sprinkle, Jr.

Listing properties in the National Register of Historic Places often changes the way communities perceive their historic resources and gives credibility to the efforts of private citizens and public officials to preserve these resources as living parts of their communities. Listing in the National Register provides acknowledgment for all types of archeological sites from prehistoric basecamps and lithic scatters to historic farmsteads and industrial complexes. Recognition of the United States' vast archeological properties can help to maintain the unique heritage and character of its communities.

However, archeological sites from both the historic and prehistoric periods are grossly underrepresented in the National Register. Less than 10 percent of the more than 60,000 properties listed in the Register contain recognized archeological components. Unfortunately, thousands of archeological sites that are determined eligible for the Na-

tional Register never receive the formal nominations they deserve.

Any archeologist can prepare a National Register nomination form for an individual property. In fact, much of the work involved in preparing a nomination has often been accomplished through compliance with Federal and State regulatory programs. With the common use of computers in the preparation of survey and site reports, the completion of a National Register Nomination is usually a question of format. A computer version of the National Register Nomination form has been available for several years.

Preparation of National Register nominations for archeological properties can provide an important professional service that contributes to the general goals of historic preservation. For archeological sites that are significant at the local, State, or national level, the completion of a National Register nomination is an essential part of the recording, documentation, and preservation process.

The National Park Service offers a wide range of materials to assist archeologists in the preparation of National Register nominations. Appropriate National Register Bulletins include numbers:

- 15: How to Apply the National Register Criteria for Evaluation;
- 16A: How to Complete the National Register Registration Form;
- 16B: How to Complete the National Register Multiple Property Documentation Form;
- 20: Nominating Historic Vessels and Shipwrecks to the National Register of Historic Places;
- 29: Guidelines for Restricting Information about Historic and Prehistoric Resources;
- 39: Researching a Historic Property;
- 40: Guidelines for Identifying, Evaluating, and Registering America's Historic Battlefields;
- 41: Guidelines for Evaluating and Registering Cemeteries and Burial Places; and
- 43: Defining Boundaries for National Register Properties (in press).

For copies of registration forms, the computer template, National Register Bulletins, and further information write to the **National Register of Historic Places, Interagency Resources Division, National Park Service, U.S. Department of the Interior, P.O. Box 37127, Washington, D.C. 20013-7127**.



ANCIENT JAPAN

Arthur M. Sackler Gallery, Smithsonian Institution
August 9–November 1, 1992

"Flame-style" vessel. Important Cultural Property. Excavated at Sasayama, Niigata Prefecture; Middle Jōmon period, 2500–1500 B.C.; earthenware. Tokamachi Municipal Museum, Niigata Prefecture. Catalog number 50.

Archeological Protection

Sawmill Company Fined in First Major ARPA Civil Penalties Case

On July 25, 1988, Eel River Sawmills entered into a contract with the Six Rivers National Forest in California to log the Travis Fire Salvage timber sale. The contract required the purchaser, Eel River Sawmills, to abate dust, to promote the safe use of unsurfaced roads, and to prevent excessive loss of road material. If water was to be used for dust abatement, the contract required that water supply locations be agreed upon in advance.

The president of Western Pacific Logging and Construction Company agreed orally to perform the requisite dust abatement as a subcontractor on the timber sale. In the fall of 1988 he instructed his crew to clear an old road and landing, improve an old waterhole, and construct a new waterhole with vehicular access. All of this was done, using a tractor and a backhoe, on a previously flagged archeological site without gaining prior approval from the Forest Service as required by the original contract. After the damage had been done, the site was repaired and restored in the summer of 1989. In some locations as much as 4 feet of culturally-sensitive deposits had been destroyed.

The Forest Service charged Eel River Sawmills and its subcontractor, Western Pacific, with violations of ARPA and assessed civil penalties on them. The decision of the Administrative Law Judge (ALJ) hearing the case was issued on August 10, 1992. Western Pacific Logging and Construction was found liable for the damage done to the site, and was assessed a civil penalty in the amount of \$43,500. In his decision, the ALJ concluded that Western Pacific was liable for penalties under ARPA because its contract specifically required notification of the Forest Service about plans for the dust abatement activity. In effect, Western Pacific excavated without a permit. Even though timber sale purchasers are responsible for the acts of their subcontractors, Eel River Sawmills was found not to be liable because Western Pacific had not provided notification of its dust abatement plans.

Charges Filed Against Florida Treasure Hunters

The State's attorney for the 20th Judicial Circuit of Florida announced on July 27, 1992, the filing of an Information

Brief against four men for the "systematic destruction of State and Federal archaeological sites." The men are each charged with first degree felony racketeering (R.I.C.O.) conspiracy, criminal mischief, and grand theft. This case is the culmination of an intensive joint investigative effort by the Department of Natural Resources, the Florida State Parks Service, and the Department of State's Bureau of Archaeological Research in conjunction with the State's Attorney's Office.

State authorities have been aware of destructive treasure hunting activities on State and Federal archeological sites in South Florida going back over 20 years. However, the identity of the person(s) systematically digging upon and destroying remote local Indian mounds and other historical sites had remained a mystery. Then, in July 1991 State Park Service officers at Cayo Costa State Park came upon a group of individuals in the process of sinking an exploratory shaft into an isolated section of the park where local legend recounts stories of pirate activity. Focusing their investigative efforts upon these individuals, State officers uncovered evidence of treasure hunting activities throughout the region going back for more than a decade.

Prominent among the incidents was the well publicized mass destruction of the Caloosa Indian temple mounds on Big Mound Key in 1980. Many of these past activities, numbering nearly 60 separate incidents, involved the use of bulldozers and backhoes to dig massive trenches through sites such as in the Big Mound Key case, which resulted in a trench 20 feet wide, 25 feet deep, and 200 feet long that was gouged into the site, destroying about 7,000 cubic yards of a shell midden. Regardless of the extraordinary damage these men caused, they recovered nothing they themselves considered to be "treasure."

One of the suspects has been an active treasure hunter since the 1960s. He has written books such as *Hidden Wealth* and *Florida Shipwreck Treasures* and published a periodical called *Treasure Trove*. In addition, it was learned that the suspect solicited investors through this periodical and convinced them that, like the treasure hunter Mel Fisher, he could make them fabulously rich by locating hidden caches of Spanish gold. One investor was known to have invested more than \$60,000 over a 10-year period.

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The State's attorney stated that as many as 15 more people face charges in this investigation.

The Information Brief for the four men alleges "the unauthorized excavation, destructive probing, digging and removing of earth...in a destructive effort to locate buried treasure" on five State owned and two Federally owned sites in Charlotte, Lee, Hillsborough, and Pinellas Counties.

Canadian Fined for Unearthing Shell Masks

On August 5, 1992, four Canadian brothers on an overnight camping trip dug up two shell masks buried in the floor of a small cave. The next day the brothers returned and photographed the masks and then reburied them. The brothers then called the National Geographic hotline about the masks and were told to contact the Montana State Historic Preservation Office (SHPO). The Montana SHPO was notified shortly thereafter and on August 21 the SHPO contacted the Bureau of Land Management (BLM) Lewistown District Office which, in turn, on August 26, notified the appropriate Native American leaders of the Blackfeet and Kootenai and Salish Tribes.

On August 27 representatives from the SHPO and BLM offices met the individual who had discovered the masks and were led to the site. The shell masks were taken back to the Lewistown District Office as a short term protective measure and notification of this activity was sent to the appropriate Tribal leaders.

The masks themselves are extremely rare, having been carved on saltwater shells, and are the first of their kind to have been discovered in Montana. The last time these types of artifacts were discovered in the region was during the 1930s when five or six similar artifacts were found in North Dakota. The masks are believed to be approximately 200 to 500 years old. Although they are carved masks, archeologists say they were used more like gorgets, which were worn around the neck. The masks are smaller than the face of an adult, being about 6 inches wide and roughly pear shaped.

The individual who unearthed the shell masks, due to his show of remorse and subsequent cooperation with officials, was fined \$200 under 43 CFR 7.4(a) of the ARPA Uniform Regulations. Although the legal aspect of the case was closed, one quandary remains. During the course of this case the Canadian Broadcasting Corporation learned

of the exact location of the site and aired a segment on this case on September 25, 1992, despite efforts by Native Americans to stop the announcement of the find. Native American leaders continue to question whether the consultation procedures of the Native American Graves Protection and Repatriation Act (NAGPRA) were followed appropriately and, more specifically, whether those same provisions give Native Americans the right to determine the ultimate physical disposition of such artifacts.

National Historic Preservation Act Amendments of 1992

The Reclamation Projects Authorization Act, H.R. 429 includes amendments to the National Historic Preservation Act (Title 40). Title 40 includes most of the key provisions of S. 684 and H.R. 1601 originally introduced by Senator Wyche Fowler and Congressman Charles Bennett. The conference version was signed on October 30, 1992, as Public Law 102-575.

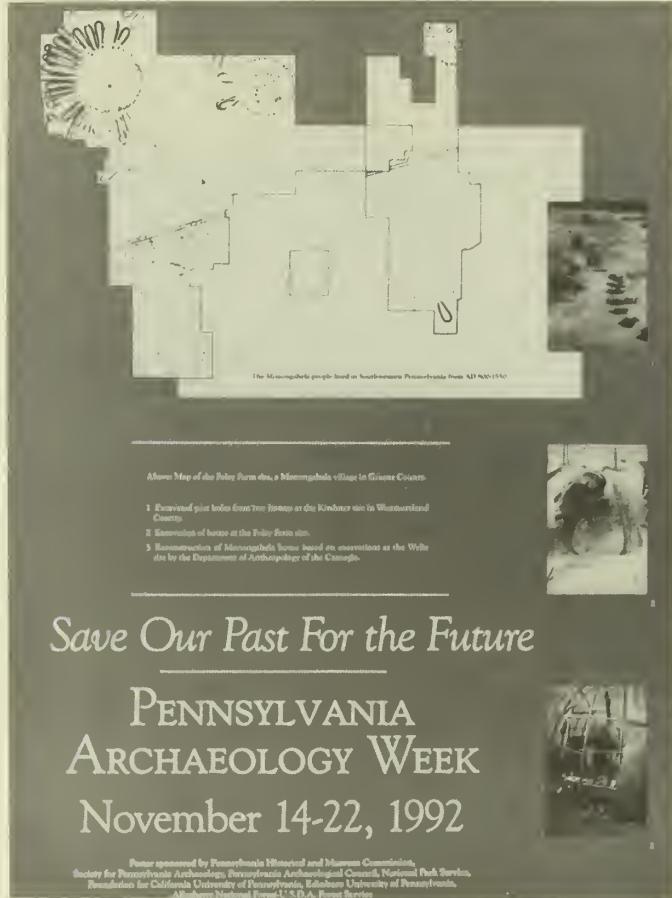
Key provisions include: (1) simplification of Federal administration of State Historic Preservation Office (SHPO) programs; (2) authorization of Tribal Historic Preservation Programs similar to SHPO programs; (3) clarification of Federal agency preservation responsibilities; (4) new emphasis on education and training in both private and public sectors; (5) requirement of development of professional standards for Federal preservation employees and contractors; and (6) authorization of a National Center for Preservation and Technology Training in conjunction with the National Park Service and an academic consortia to coordinate and promote research, distribute information, and provide training in preservation skills and technologies.

Copies of the legislation are available from members of Congress. For additional information contact Kathleen Schamel, CEHP, Inc., 1133 20th St. N.W., Suite 200, Washington, DC 20036; ph. 202-293-1774.

Promoting Archeology

Saving the Past in Pennsylvania

Pennsylvania's second Archaeology Week was held November 14-22, 1992, sponsored by the Pennsylvania His-



torical and Museum Commission, Society for Pennsylvania Archaeology, Inc., and Pennsylvania Archaeological Council. The theme "Save Our Past for the Future" once again focused attention on the continuing destruction of the State's archeological resources by development and construction.

Events included: day-long workshops and symposia at the State Museum in Harrisburg and Bushy Run Battlefield near Greenburg on November 14; open house and lectures at the Center for Cultural Resource Research of the University of Pittsburgh on November 21; and open house programs at Edinboro University, Mercyhurst College, Gannon College, Indiana University, Pennsylvania State University, and Temple University. Additional activities were held by the America's Industrial Heritage Survey Project at Johnstown, Fort Robedough in Blair County, Allegheny National Forest, and at several National Park Service sites in the State.

More than 5,000 people participated in 30 events held across the State during the 1991 Archaeology Week, and approximately 3,500 copies of posters featuring a carved mask recovered from an excavation of an 18th century Conestoga settlement in Lancaster County were distributed. For more information on Archaeology Week 1992 contact Renata B. Wolynec, Department of Sociology, Anthropology, Social Work, Edinboro University, Edinboro, PA 16444 or Beverly Mitchum, Bushy Run Battlefield, P.O. Box 468, Harrison City, PA 15636; telephone (412) 527-5585.

Archeology Worldwide

International Symposium

The International Association for Impact Assessment (IAIA) has scheduled its 25th International Symposium on "Remote Sensing and Global Environmental Change: Tools for Sustainable Development," for April 4-8, 1993, in Graz, Austria. For more information contact ERIM/International Symposium, P.O. Box 134001, Ann Arbor, MI 48113-4001; fax (313) 994-5123. More than 400 peo-

ple from 45 countries registered for the IAIA August 1992 meeting in Washington, DC. A limited number of the 220-page Conference Program, Abstracts and Invited Papers document are available, for \$10.00 to cover the cost of handling and postage, from the International Association for the Impact Assessment Executive Office, P.O. Box 70, Belhaven, NC 27810; telephone (919) 964-2338; fax (919) 964-2340.

NADB Update

The Archeological Assistance Division (AAD) of the National Park Service (NPS) is coordinating with the Interagency Resources Division (IRD) in the development of databases to facilitate the process of collecting, managing, and reporting data about cultural resources.

The following information on the Integrated Preservation Software (IPS) is provided by Diane Miller, Interagency Resources Division. IPS, which is a computer tool being developed by the Information Management Unit of IRD in conjunction with Karr Associates of Washington, DC, encourages the collection and automation of data about archeological and historic properties and provides the means for members of the preservation community to exchange data between automated systems. It includes a wide variety of features to assist users in entering data, analyzing information, reporting in a variety of formats to produce pre-defined forms or develop publications, and importing or exporting data to share with other systems.

IPS is essentially a database management system that can be used to develop a variety of applications, or modules for managing cultural resources data and activities. The modules can be designed as "stand-alone" applications, or can be linked to integrate information from related program areas. As they are developed, IPS modules will be made available to interested States, Federal agencies, local governments, and other members of the preservation community. While certain data fields required at the national level are "pre-loaded" in the various modules, the program is flexible enough to be customized, without requiring the services of a programmer, to meet more specific needs at State and local levels.

There are several IPS modules currently under development. IRD has developed a survey/inventory module, and is currently working on a Historic Preservation Fund reporting module as well as in-house applications including a work plan management database. The system is also being used to manage the Historic 20th Century Building Products Database and the List of Audiovisual Materials for Preservation Education. These applications, along with a project about African-American properties listed in the National Register, will be primarily used for database publishing.

AAD is developing a NADB-Reports module and a NADB-AMC (archives, manuscripts, and collections) module for distribution. The system is also being used for

in-house automation of the LOOT (Clearinghouse on Listing of Outlaw Treachery) database.

The IPS software and the following modules are scheduled for release in 1993 and specific information about their availability will be announced in future *NADB Updates*.

Survey Module - The development of the IPS system is being done concurrently with the development of the first module for survey and inventory data. This module contains all of the data elements required to transfer data to the National Register Information System and to produce a National Register nomination form. State Historic Preservation Offices may use the module in whatever manner best complements their current survey procedures and inventory automation. Some States that have no existing inventory database may use IPS as their main system as well a tool to gather data in the field. Other States, with existing automated systems, may simply add their data elements to the module and give the program to survey consultants or local governments. In either case, as data are gathered during surveys, it can be automated first and used to produce State inventory forms and to transfer data electronically to the State office. Local planning departments and historic preservation commissions may also use the survey module as a planning tool for easy access to data on properties within their jurisdiction.

NADB-Reports - A NADB-Reports module for entering data on the archeological "gray literature" is being readied for release at the same time as the IPS-Survey module. One or two standardized bibliographic reports that conform to the NADB-Reports stand alone software, Version 2.02, will be demonstrated. Other reports using different combinations of data categories can also be constructed using IPS. Both the stand alone NADB-Reports version and the IPS NADB-Reports version will be supported by the Archeological Assistance Program.

NADB-AMC - AAD is currently designing an IPS module to assist in the inventory of archeological archival records, manuscripts, and collections data. The application will be MARC compatible.

For further information about IPS software and modules being developed by the Interagency Resources Division, contact Diane Miller, Information Management Unit, Interagency Resources Division, National Park Service, P.O. Box 37127, Washington, DC; telephone (202) 343-9552. For information about modules being developed by the NPS Archeological Assistance Division, contact Veletta Canouts, Archeological Assistance Division, National Park Service, P.O. Box 37127; telephone (202) 343-4101.

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NAGPRA

By C. Timothy McKeown

Third Committee Meeting

The Native American Graves Protection and Repatriation Review Committee convened its third meeting October 8-10, 1992, in Fort Lauderdale, Florida. All seven members of the Committee, Ms. Rachel Craig, Dr. Jonathan Haas, Mr. Dan Monroe, Ms. Tessie Naranjo, Dr. Martin Sullivan, Mr. William Tallbull, and Dr. Phillip Walker, were in attendance. Four major issues dominated the agenda: (1) review of Draft 4 of the proposed regulations, (2) election of a Committee Chair, (3) discussion of dispute resolution procedures, and (4) adoption of a regular meeting schedule.

Draft 4 Approved

At the August 26-28, 1992, meeting the Committee requested that the Departmental Consulting Archeologist (DCA) concentrate on development of a fourth draft of the proposed regulations. This draft was completed prior to the October meeting, using the 43 written comments received on Draft 3 and the Committee's recommendations for guidance. The Committee reviewed the draft in detail, refining language and procedures. The Committee's deliberations were greatly facilitated by the participation of Mr. Lars Hanslin of the Office of the Solicitor, Department of Interior. Many of the Committee's concerns and recommendations were incorporated into the revised version of Draft 4 and the members concurred with the DCA's plan to submit the document as proposed regulations for publication in the *Federal Register* and general public comment.

Chair Elected

With all members in attendance, the Committee decided it was appropriate to elect a Chair to serve for the next 12 months. After thanking Ms. Rachel Craig for serving as the Committee's first Chair, the Committee unanimously elected Ms. Tessie Naranjo to a 1-year term.



Ms. Tessie Naranjo

Dispute Resolution Procedures

The Committee emphasized its wish that the majority of disputes be resolved at the local level, but recognized that some would eventually be brought to the Committee for issuance of recommendations or findings. The Committee envisions a multi-step process of information collection and assessment prior to the Committee issuing a recommendation. Additional steps are envisioned for resubmission of a dispute to the Committee for a formal finding. The entire process may span several meetings.

Next Meetings Scheduled

The Committee agreed to a tentative meeting schedule for the coming year. The next meeting is scheduled for February, 1993, in Hawaii in order to solicit opinions from Native Hawaiian organizations regarding implementation of the statute. The second 1993 meeting is scheduled for May or June. The Committee expressed interest in holding this meeting somewhere in the plains States and would welcome invitations from Indian Tribes interested in hosting the meeting. The third meeting is scheduled for October or November 1993. The Committee expressed interest in holding this meeting in conjunction with the annual meeting of Keepers of the Treasures - Cultural Council of American Indians, Alaska Natives, and Native Hawaiians. The location of this meeting has yet to be determined.

Inventories Completed

Letters of notification and listings of culturally affiliated human remains and associated funerary objects were received from the California Department of Parks and Recreation and Lassen Volcanic National Park. The letters of notification, which summarize the contents of the accompanying inventories in enough detail to help individuals or groups identify cultural items to which they can reasonably be believed to be affiliated, were published in the *Federal Register* as required by Section 5 (d)(3) of the statute. A 30-day period following publication of each notice was allowed for any additional lineal descendants or culturally affiliated Indian Tribes to contact the appropriate museum or Federal agency official regarding proper treatment and disposition of sensitive cultural items.

Additional Information

For additional information regarding NAGPRA contact C. Timothy McKeown, NAGPRA Program Leader, Archaeological Assistance Division, National Park Service, P.O. Box 37217, Washington, DC 20013-7217; telephone: (202) 343-4101, fax (202) 523-1547.

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PAWG

The Federal interagency archeology Public Awareness Working Group (PAWG) met in Washington, DC, on October 6, 1992, and will meet again in early 1993. The October meeting was devoted to an assessment of PAWG's accomplishments over the past several years, and suggestions for new directions or projects. The comments of *Federal Archeology Report* readers who are not PAWG participants are solicited in response to this article.

Since 1986, PAWG has been meeting to share archeological public outreach program information among Federal agencies, and sponsoring outreach projects and products. PAWG-initiated products that have been completed include the initial printing and distribution of more than 3 million archeological theme bookmarks, and production of the videotape, *Assault on Time*. The *Participate in Archeology* brochure was published, and more than 70,000 of them are currently being distributed. The text, *Archeological Resource Protection*, was published in November by the Preservation Press. Copies are available at \$19.95 each, less 10% for National Trust for Historic Preservation members, plus CA, CO, DC, IA, IL, MD, MA, NY, PA ,SC, TX, or VA sales tax and \$4 shipping and handling with 40 percent bulk discount, from **The Preservation Press, 1785 Massachusetts Ave. N.W., Washington, DC 20036; 1-800-766-6847.**

The LEAP (Listing of Education in Archeological Programs) national clearinghouse has been established and an electronic database has been developed. Two volumes of LEAP information have been published; the first (1987-1989) and second volumes (1990-1991) are available at no charge from the Publications Specialist, Archeological Assistance Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127. PAWG needs feedback about the usefulness of the LEAP information, and comments on the accessibility of that information. Who are the primary users of LEAP? Should it be an online system, and if so, who would the users and transmittal mechanisms be? Public school teachers through ERIC or library networks? Public agencies through electronic mail? Academics through BITNET or other networks? If continued to be published in hard copy, should this be an annual publication? Biennial? How much financial support is appropriate to maintain and enhance the LEAP Clearinghouse,

given its utility? Comments on this would be welcomed by the PAWG coordinator.

A special issue of the *CRM Bulletin* on "Archeology and the Federal Government" was published in 1979, and it is being revised for 1993 publication in *CRM*. A technical brief on State archeology weeks around the country has been drafted for 1993 National Park Service publication, and PAWG members are thinking about the benefits and constraints of sponsoring a National Archeology Week. Comments on the interest in such a national effort should also be directed to the PAWG coordinator. PAWG is also planning another publication of archeological theme bookmarks during the coming year.

An article on "Federal Archeological Public Awareness Activities" by Ruthann Knudson is included in the recent publication, *State Archeological Education Programs*, edited by William B. Butler. Programs in CO, IL, IA, KS, MO, MT, NE, NM, ND, OK, SD, TX, WY, and SK are described in this useful report, which is available at no cost from **W. Butler, Interagency Archeological Services, Division of National Preservation Programs, Rocky Mountain Region, National Park Service, P.O. Box 25287, Denver, CO 80225.**

For further information, contact **Ruthann Knudson, PAWG Coordinator, Archeological Assistance Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; telephone (202) 343-4119; fax (202) 523-1547.**



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Notes

National Inventory Program

The recently announced National Park Service (NPS) Systemwide Archeological Inventory Program was developed as a part of the NPS National Archeological Survey Initiative. Its sets forth a long-term goal of conducting systematic, scientific research to locate, evaluate, and document archeological resources under NPS stewardship. Information gathered on location, characteristics, and significance of archeological sites will enable park planners and managers to make informed and effective decisions on the preservation, treatment, and protection of these resources.

The program establishes requirements, standards, and priorities to assist NPS regional officers and parks in planning, programming, funding, and conducting inventories. It calls for development of survey plans that tailor the program to specific regions and parks and encourages cooperation and collaboration on inventories with States, other Federal land managers, Indian Tribes, and others.

The Systemwide Archeological Inventory Program was developed by NPS archeologists Michele C. Aubry of the Washington Office, Dana C. Linck of the Applied Archeology Center, Mark J. Lynott of the Midwest Archeological Center, Robert R. Mierendorf of the North Cascades National Park, and Kenneth M. Schoenberg of the Alaska Regional Office. Published copies are available by writing to the Anthropology Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127.

Study Group Seeks Information

Several Federal agencies have received inquiries from a group of individuals interested in archeology and anthropology called the San Quentin Death Row Anthropology Study Group. Its members are seeking professional contacts to provide information and materials on various archeological subjects. Topics of special interest and members names and addresses are as follows:

First Americans—paleoenvironmental conditions and setting for early migrations from Beringia, especially information on a coastal entry route vs. the Alberta corridor, and late Pleistocene human occupation of the Americas, especially paleoshorelines and potential archeological sites on

the continental shelves, write to **Douglas Scott Mickey, P.O. Box C-73900, Tamal, CA 94974**;

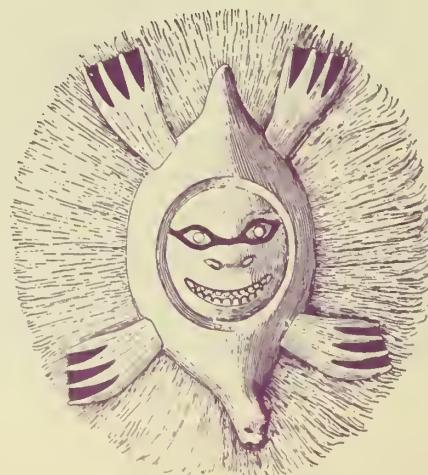
Late Paleolithic Landscape and Environment of North America—climatic changes, flora, and aquatic terrestrial fauna, write to **Peter Thomas Edelbacher, P.O. Box C-66901, Tamal, CA 94974**; and

Egyptology—Paleolithic environment and landscape, especially paleoshorelines of the Mediterranean and Red Seas, and climatic changes, temple texts, mythologies, and customs, write to **Douglas Scott Mickey and Donald Beardslee, P.O. Box C-82702, Tamal, CA 94974**.

The study group maintains an Old World Prehistory research library and an Old World prehistoric research program divided into three major geographical region of study: Sub-Saharan Africa; East Asia and Australasia; and Europe, Central and South Asia, and North Africa. For each region a research library is kept on archeology and ancient history, on languages and protolanguages, and on paleoanthropology and paleogenetic analysis (evolutionary genetics). Material on these topics is requested by **H.R. Nicolaus, Librarian for Old World Prehistoric Studies, P.O. Box D-60600, Tamal, CA 94974**.

Wisconsin Announces New Archeology Major

The University of Wisconsin - La Crosse has announced a new undergraduate major in Archaeological Studies that includes the fields of prehistoric, classical, and biblical archeology, geoarcheology, cultural resource management, cultural anthropology, and, eventually, historic archeology. For more information contact **Jim Theler or Jim Gallagher, Department of Sociology and Archaeology, University of Wisconsin, La Crosse, WI 54601**; telephone (608) 785-6780 or (608) 785-8463.



Conferences

NPS Participates in ASALH Annual Meeting

National Park Service (NPS) directors and professional staff members from several regions and headquarters participated on panels during the Association for the Study of Afro-American Life and History (ASALH) Annual Meeting October 7-11 in Kansas City, Missouri. Speakers from Africa, South America, and Latin America as well as colleges and universities in this country organized some 80 papers, panels, and other presentations.

Archeologist John Jameson of the Southeast Regional Office of NPS presented symposiums on "Sensitive Interpretation of Cultural Resources in Multicultural Society" and "The British West India Regiments: Opportunities for Public Interpretation at Virgin Islands National Park." Field investigations by NPS at Hassel Island, St. Thomas Harbor, U.S. Virgin Islands, have uncovered significant information for the archeological and historic records involving Napoleonic Era fortifications and related military structures and sites.

These records supply hereto unrecognized details on the nature and size of military establishments in the area and an opportunity for public interpretation of the history and contributions of the predominantly black West India regiments the British recruited and trained especially for the rigorous duty in the Caribbean.

Other symposium topics were: the interpretation and integration of African-American multi-ethnic awareness into NPS; projects in African-American history and NPS; and how NPS interprets slavery. The Afro-American Institute for Historic Preservation and Community Development coordinated the NPS activities with ASALH. Organized in 1915, ASALH promotes preservation, study, and dissemination of material on black heritage. For more information contact the Association for the Study of Afro-American Life and History, 1407 14th St., NW, Washington, DC 20005; telephone (202) 667-2822.

Divers Lead Preservation Workshop

During the October 7-11 46th National Preservation Conference participants could choose between donning diving or snorkel gear or watching from a glass bottom boat as

Indiana University Underwater Science and Educational Resources (USER) conducted an all-day workshop



USER researcher Leslie White points out replica cannon location on San Pedro Underwater Interpretive Guide (Photo by Paul Caputo, Quiescence Diving Services, Inc.).

at the San Pedro Underwater Archaeological Preserve in the Florida Keys. Those on the boat were able to tour the 1733 Spanish shipwreck site, under 16 feet of water, through an underwater communication system and video images.

Under Director Charles Beeker USER was instrumental in the development of the preserve and preparation of a laminated guide system that interprets the underwater museum's cultural and natural features. The workshop was sponsored by the National Park Service, National Trust for Historic Preservation, and Florida Department of State and its Division of Historical Resources. Workshop funding was provided by the nonprofit Florida Marine Continuum Foundation. For further information on future USER educational and research programs contact Associate Director Leslie White, Underwater Science and Educational Resources, Indiana University, 306 North Union St., Bloomington, IN 47405; telephone (812) 855-6430.

Publications

Ontario Archeology Report

The Ontario Heritage Foundation, through its Archaeology Committee, has issued the second volume in a New Series *Annual Archaeological Report, Ontario, 1991*. Short abstracts describing the results of archeological field work conducted in the Province during the 1990 season include accounts of field schools and underwater projects. Copies may be obtained from **Gloria M. Taylor, Ontario Heritage Foundation, 10 Adelaide St. East, Toronto, ON M5C 1J3 Canada.** There is a charge of \$5.00 per copy to cover handling and postage.

Maritime Archeology Newsletter

The first edition of the Maryland Maritime Archaeology Program newsletter, the *MMAP Log*, was published in May 1992 and featured articles on the history of this State program, volunteer opportunities, the 1991 MMAP field season, and a "Sport Diver Log." The *MMAP Log* is intended to serve as a means of communication among people interested in Maryland's maritime heritage and the State's marine archeology program, which is being developed by the Maryland Historical Trust as a model for other States to follow as they deal with their responsibilities under the Federal Abandoned Shipwreck Act. For further information on the *MMAP Log* or other MMAP activities contact State Underwater Archeologist Paul Hundley, Office of Archeology, Maryland Historical Trust, 100 Community Place, Crownsville, MD 21032; telephone (410) 514-7661.

Sites Protection Notebook Update

The U.S. Army Corps of Engineers *Archeological Sites Protection and Preservation Notebook* incorporating Supplement 4 and revised preliminary material includes technical notes on: the effects of off-road vehicles, giving specific examples of archeological site impacts and suggestions for management of ORV use; the preservation of archeological site 23HE260 at Harry S Truman Lake in southwest Missouri through burial with gravel and topsoil; and descriptions of appropriate stabilization techniques for archeological sites located on coastal landforms, which was abstracted from a report concerning Aboriginal site

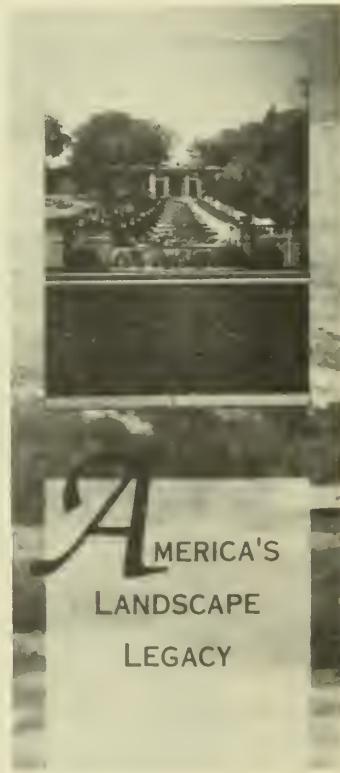
stabilization in Australia that parallels site stabilization investigations in the United States.

Also: the use of revegetation and a floating breakwater to control shoreline erosion impacting a sailboat harbor and archeological site 11CT348 and to improve waterfowl habitat at Carlyle Lake in Illinois; the use of scale modeling and how it can be applied to historic structures and archeological sites citing three case studies in which modeling was used in the protection of standing structures; stabilization using retaining walls constructed of logs and locally available stone to prevent erosion at Packers Creek (10IH780) and Sierra (10IH1301) sites on the lower Salmon River in Idaho; and a reevaluation of a conservation experiment involving removal of moss and use of a biocide to conserve pictographs in Fern Cave at Lava Beds National Monument in California.

Updates of the loose-leaf *Notebook* are issued as part of the Environmental Impact Research Program at the U.S. Army Engineer Waterways Experiment Station. Technical monitors are John Bushman, David P. Buelow, and Dave Mathis. For information on obtaining copies write the Waterways Experiment Station, U.S. Army Corps of Engineers, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.

Historic Landscapes Brochure

Full color pictures of more than a dozen historic landscapes grace a brochure, *America's Landscape Legacy*, published recently by the Preservation Assistance Division of the National Park Service under the direction of Historic Landscape Architect Charles Birnbaum. The brochure defines this significant element of the nation's cultural heritage and explains the importance of preserving it. Listings of literature on American landscape history and preservation and the national offices from which related materials can be obtained are included.



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Requests for copies of the brochure should be directed to **Charles Birnbaum, Preservation Assistance Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7217; telephone (202) 343-9578.**

Arizona Newsletter

A newsletter of public interest archeology, the *Hohokam News*, is published by Arizona State University, reporting on archeological work projects, finds, meetings, the Site Steward program, and other topics of regional interest. For further information contact **Charles L. Redman, Chair, Department of Anthropology, Arizona State University, Tempe, AZ 85287-2402; telephone (602) 965-6213.**

Geophysical Surveying at Archeological Sites

Recent advances in prospecting techniques and instrumentation offer archeologists a new site investigation tool. Don H. Heimmer's manual, *Near-Surface, High Resolution Geophysical Methods for Cultural Resource Management and Archaeological Investigations*, provides guidelines for geophysical surveying at archeological sites through a translation of techniques developed primarily for mineral exploration. It gives, in 143 pages, information on active and passive geophysical methods and techniques, radar surveying, and metal detectors, as well as quality control, administrative requirements, and acquisition records. Copies of this manual, which was funded in part by the National Park Service through its Cultural Resource Training Initiative, are available from the **Interagency Archeological Services, Rocky Mountain Regional Office, National Park Service, P.O. Box 25287, Denver, CO.**

New AAS Publications

The 128-page paperback report, *The Ables Creek Site: A Protohistoric Cemetery in Southeast Arkansas* answers some questions about the ethnic origins of the people who inhabited the southeast part of the State during very late prehistoric times. H. Edwin Jackson describes artifacts recovered in the Arkansas Archeological Survey (AAS) published book. It sells for \$12.00, order number RS042.

George Sabo III intends his *Paths of Our Children: Historic Indians of Arkansas* to be a companion volume to *Crossroads of the Past: 12,000 Years of Indian Life in Arkansas* by Frank Schambach and Leslie Newell, which deals with prehistoric Arkansas. Sabo carries the history of Indian Tribes living in the area from the time of the 16th century wanderings of early Spanish explorers through

contemporary Indian groups. His 144-page paperback history is an AAS Popular Series publication. It costs \$5.00, order number PS003. Orders for either volume must include \$2.50 for shipping, plus 50 cents for each additional copy. Orders and requests for a catalog of AAS publications should go to Arkansas Archaeological Survey Publications, P.O. Box 1249, Fayetteville, AR 72702-1249; telephone (501) 575-3556; fax (501) 575-5453.

Cultural Resources Protection

A colorful *Cultural Resources on the Public Lands* brochure published by the Bureau of Land Management (BLM) challenges the American public to recognize the importance of the country's past and become actively involved in its preservation. It tells of some of the more than 150,000 prehistoric and historic sites ranging from ancient caves to 19th century mining camps, all vital parts of the national heritage, that have been found on BLM land and lists BLM offices where information on visiting these sites and volunteer opportunities is available. To request copies of the brochure contact the **Bureau of Land Management Headquarters Office, 1849 C St., NW, MIB 5600, Washington, DC 20240; telephone (202) 208-5717.**

NEH Exhibitions Listing

The semi-annual National Endowment for the Humanities (NEH) publication *Exhibitions Today* reflects the scope and variety of both temporary exhibitions and permanent installations funded by the Museums Program of NEH. The July 1992 edition lists 75 projects that will be seen at 232 venues, art, history, and anthropological museums, historic sites, science centers, children's museums, zoos, and arboreta. Scheduled to open in 1993 are two Minnesota exhibitions, "A Tribute to Survival: North American Indians Since 1492" and "Manoominikewin: Stories of Wild Riceing in Minnesota."

Also scheduled for 1993 are "Remembering New York Chinatown," "The Times-Mirror Hall of Native American Cultures" in Los Angeles, "History and Speculation: The Landscape of Newport History" in Rhode Island, "Crossroads of a Neighborhood in Change: The Corner Grocery Store at Strawbery Banke During World War II" in Portsmouth, New Hampshire, and "Our Place in the West: Places, Past, and Images of the Yellowstone Valley, 1880-1940" in Billings, Montana. To request copies of *Exhibitions Today* or information on the program contact **Museums Program, Room 420, National Endowment**

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for the Humanities, 1100 Pennsylvania Ave., NW, Washington, DC 20506; telephone (202) 786-0284, fax (202) 786-9557.

Special Virginia Publications

Papers from Council of Virginia Archaeologists (COVA) symposia, held each Fall beginning in 1988, have been published by the Archaeological Society of Virginia (ASV) in its Special Publications Series. Currently available are: *Paleoindian Research in Virginia: A Synthesis*, edited by J. Mark Wittofski and Theodore R. Reinhart; *Early and Middle Archaic Research in Virginia: A Synthesis*, edited by Reinhart and Mary Ellen N. Hodges; and *Late Archaic and Early Woodland Research in Virginia: A Synthesis*, edited by Reinhart and Hodges. To order copies of these books, at \$15.00 each plus \$2.00 postage and handling for each order, write to COVA/ASV Publications, Dr. Theodore R. Reinhart, Department of Anthropology, College of William and Mary, Williamsburg, VA 23185.

New SHA Publications

The latest thematic issue of *Historical Archaeology* (Vol 26, No. 3) is "Meanings and Uses of Material Culture." Edited by Barbara J. Little and Paul A. Shackel, this is a collection of 12 papers on interrelationships among consumption, production, and ideology and the meaning of material culture. Most of the papers deal with Anglo-American culture from medieval Britain to pre-Revolution American Colonies to the late 19th century United States.

Donald H. Keith and Toni L. Carrell are the editors of *Underwater Archaeology Proceedings from the Society for Historical Archaeology Conference* held during January 1992 in Kingston, Jamaica. The 25 papers included cover topics such as 15th and 16th century ships and maritime trade, small craft, Caribbean underwater archeology, and advances in international underwater archeology.

Single copies of this issue of *Historical Archaeology* cost \$12.50 plus \$1.75 for handling. Copies of *Underwater Archaeology* are \$17.50 plus \$1.75 handling, \$2.25 for foreign orders, from the Society for Historical Archaeology, P.O. Box 30446, Tucson, AZ 85751-0446.

Underwater Archeology Articles

Articles on replication and experimental archeology are featured in *Advances in Underwater Archaeology*, a special issue of the Society for Historical Archaeology journal.

Topics in Volume 26, Number 4 of *Historical Archaeology* also include major shipwrecks such as the *USS Monitor* and the Yorktown wreck, cultural resource management, photogrammetry and other high technology applications, and the ethical conflicts and tragedies of treasure hunting. Singles copies can be ordered, \$12.50 each plus \$1.75 postage and handling, from the Society for Historical Archaeology, P.O. Box 30446, Tucson, AZ 85751-0446.

Bead Researchers Journal

Two volumes of *Beads*, the annual scholarly journal of the Society of Bead Researchers are now available. In Volume 1, from 1989, are articles on beads from West Africa and the Netherlands Antilles, on beads of the early Islamic period, and Bohemian glass beadmaking. Topics covered in Volume 2, from 1990, include the glass bead industries of the 19th and 20th centuries, Hudson Bay Company trade beads, beadmaking in Islam, and prehistoric ornaments from the Netherlands Antilles. The Society, which was founded in 1981, also publishes a biannual newsletter, *The Bead Forum*. Copies of *Beads*, at \$14.50 per single issue, in U.S. funds, can be obtained from Karlis Karklins, Society of Bead Researchers Editor, 802-2850 Cedarwood Drive, Ottawa, Ontario K1V SY4 Canada.

Utah Teachers Activity Guide

Intrigue of the Past: Investigating Archaeology is an activity guide for fourth through seventh grade teachers written by Shelley Smith and Jeanne Moe of the Bureau of Land Management (BLM) with Kelly Letts and Danielle Patterson of the U.S. Forest Service. A product of the Utah Interagency Task Force on Cultural Resources, the guide is distributed through Utah Archaeology Education Program workshops providing instruction in its use. It includes sections on the fundamental concepts, processes, and issues of archeology, Utah's first people, and curriculum correlation with a resource directory. *Intrigue of the Past* is being evaluated on a national level for possible adaptation for the BLM Heritage Education Program. For additional information contact Jeanne Moe, Bureau of Land Management, P.O. Box 45155, Salt Lake City, UT 84148-0155; telephone (801) 539-4060.

Virginia DHR Publications

The Virginia Department of Historic Resources has several series of books and other publications containing archeological titles. Among these are research, technical, and survey and planning reports series, and a bibliography

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series. To obtain a listing of titles available write to the Virginia Department of Historic Resources, 221 Governor St., Richmond, VA 23219.

Petroglyphs Stabilization Report

In *Stabilization of Dakota Sandstone Surface of the Faris Cave Petroglyphs: Kanopolis Lake Project, Kansas*, David A. Grisafe of the Kansas Geological Survey reports on field and laboratory experiments with the use of a stone strengthener and water repellent to solidify sandstone and prolong the existence of important petroglyphs. The study was undertaken as part of an Environmental Impact Research Program. Copies of this U.S. Army Corps of Engineers publication are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

Michigan's Underwater Archeology

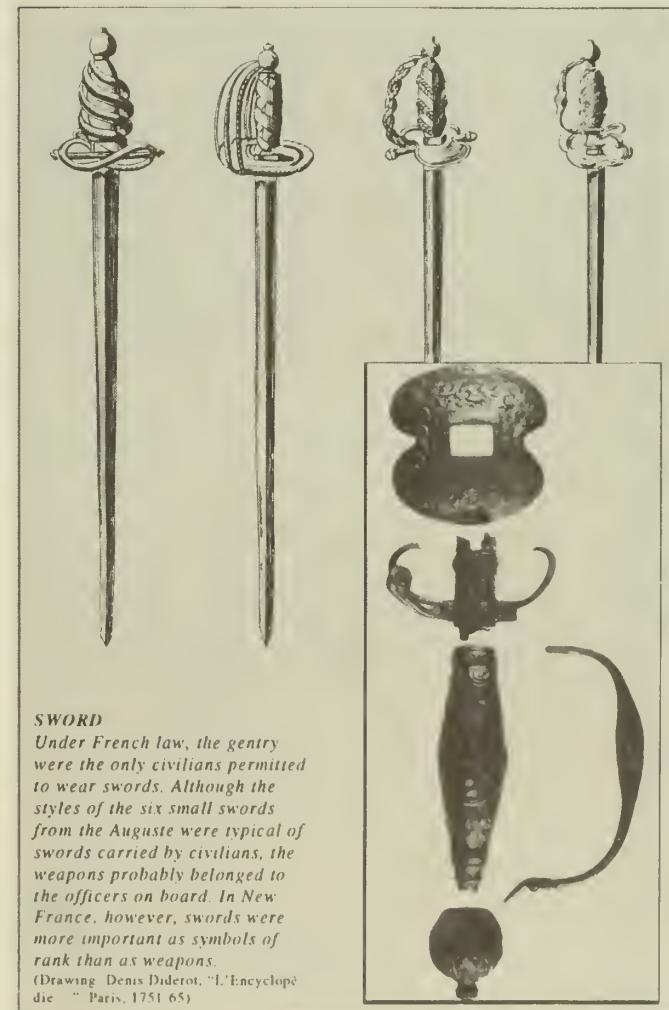
More than 50 photographs, many in color, are an interesting feature of *Beneath the Inland Seas: Michigan's Underwater Archaeological Heritage*. Written by State Archeologist John R. Halsey, the 64-page publication explores the sites of shipwrecks in Michigan waters and discusses undiscovered archeological sites, the complexities and hazards of underwater archeology, and issues surrounding site preservation. It was published by the Michigan Department of State's Bureau of History. Copies are available, at \$6.95 each plus \$2.00 shipping, from *Michigan History Magazine*, 717 West Allegan St., Lansing, MI 48918-1805; telephone (800) 366-3703.

History of 18th Century Shipwreck

The Wreck of the Auguste, a publication of the Canadian Parks Service (CPS), tells the history of an 18th century sailing ship that was carrying French military personnel and their families, who were forced to return to France after the British capture of Quebec in 1759, when it was wrecked in a storm while trying to reach the Atlantic Ocean from the Saint Laurence River.

Details of the wreck came from the vivid account of the disaster recorded in the diary of one of its few survivors. Searches through old newspapers, legal documents, and insurance papers, together with fragments of the ship and many artifacts found in recent years, have helped CPS archeologists piece together a great deal of additional information about the *Auguste* and her tragic end.

The main contributors to this interesting 70-page paperback publication are Charles Bradley, Olive Jones, Lynne Sussman, and Sheila Ascroft. Photographs are by Rock Chan and drawings, including maps, by Carol Piper. The book has also been issued in French under the title, *Le naufrage de l'Auguste*. Copies of *The Wreck of the Auguste* are available by mail from the Canada Communication Group - Publishing, Supply and Services Canada, Ottawa, Ontario, Canada K1A 0S9. Or, for a list of publications available from National Historic Sites Publications, write the Canadian Parks Service, Environment Canada, 1600 Liverpool Court, Ottawa, Ontario, Canada K1A 0H3.



SWORD

Under French law, the gentry were the only civilians permitted to wear swords. Although the styles of the six small swords from the *Auguste* were typical of swords carried by civilians, the weapons probably belonged to the officers on board. In New France, however, swords were more important as symbols of rank than as weapons.

(Drawing Denis Diderot, "L'Encyclopédie," Paris, 1751-65)

An illustration from *The Wreck of the Auguste*, a publication of the Canadian Parks Service.

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